<400>	1677					
ggcacgagat	ttcaagataa	attagaaacc	aagtaaaatc	agtgtatttt	tgctaggtac	60
	attttgtatc					120
taaccttttc	atgatgaatg	atattagaat	acatgactaa	ttatacagaa.	taattttctt	· 180
tttaatttca	tttataggag	aacctttaca	aatagatcac	ttggtttttg	tagtccatgg	240
	gcttgtgatc					300
	gaatattaat				•	346

```
<210> 1678
<211> 349
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(103)
<223> similar to gi2217933 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1678
ggcacgagcg gcacgagcct tctcctactg cattagcatt tggggaccac cctattgtac 60
aaccaaagca attatccttt aaaattattc aggtaaatga taattaaaat gttttttct 120
atggcttcta agaaaccatt gactaactta ctaacaacta agatgtctgt ttgttttata 180
tgtagtcata aagcagaatt acacatcaag aaagataact tactaaacaa aaacaacaga 240
atttgtagga aggagtgaga aactgaaaca cacaatttac tatcagctt ttaaaacaac 300
gttaacatgt cagttctgtt tactgattct ttctgaactt aatttccag 349
```

```
<210> 1679
<211> 35
<212> DNA
<213> Homo sapiens
```

```
<220>
    <221> misc_feature
    <222> (1)...(36)
    <223> n = a,t,c or g
    <220>
    <221> misc feature
    <222> (35)...(0)
    <223> similar to gi407423 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
    <400> 1679
                                                                       35
ttttttttt ttncttttt taaaacgggt cttgt
    <210> 1680
     <211> 324
     <212> 'DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature.
     <222> (5) ... (197) .
     <223> similar to gi3510603 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1680
ggcacgagga cetteettge tttcagaatt tcacccaggg tetgacagge etcaagaaag
                                                                        60
gagaactagt tatgaaccga ttcatccagg cccatcccca gtggatcatg attcactgga
                                                                       120
ategaagega ceaegtetgg aacaggette tgatteteat tateagggte acateaetgg
                                                                       180
                                                                       240
cgaatcctta ccaggacgtg tacactagca gctcctcact gtggaatctg atgggcaatg
                                                                       300
ccatggtgat tacccactat atccgtctta ccccatatgt tcaaagtaaa ctcggttccc
                                                                       324
tagggaacct gatgccatgt tacc
     <210> 1681
     <211> 342
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (8)...(179)
     <223> similar to gi4929607 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

```
<400> 1681
ggcacgagtg cggacaaagc tgcaggctca gcatgtgtcg taccgggagc tgggtgcctg f00
tgttcgaact gcagtggctc agggtggctg gcgctcactg tggctgagct ggcgcccac 120
tgcccttcga tatgcgccct tctcattctt gaacctgttc tctactcagc tcctgtcgct 180
cccctctttc gtccgcatcc tttcgccttc tctttttctc gcctgccttg cctaccttgc 240
tccttctccc cgctcctct tcctccatct taccatccgc tctcctttct ctcccctcgc 300
agccctctga ctctcccctc ttttccccct ccttgtcggc ac 342
```

```
<210> 1682
<211> 345
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10) ... (214)
<223> similar to gi2224543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 1683
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (140)...(317)
<223> similar to gi3220232 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1683

```
60
ggcacgagat cctttgttag agcaagtgga attacctgct gtggcatcag tcagtgcttc
agtaattaaa totocatcag atocotcaca tgtttctgtt ccaccacctc cattgttact
                                                                       120
tccagctgcc accacaagga gtaacagtac atctatgcac agtagcattc ccagtataga
                                                                       180
gaacaaacct ccacaggcta ttgttaaacc acagatccta acccatgtta ttgaaggctt
                                                                       240
                                                                       300
tgtgattcag gagggattgg agccatttcc tgtgagtcgt tcctctttgc taatagaaca
gcctgtgaaa aaacggcctc ttttggataa tcaggtgata aattcagtgt gtgttcagcc
                                                                       360
agagctataa aactgatttt aagatattta caatatatgg gacgattttc gctgaattag
                                                                       420
                                                                       480
atagtggttg tgatattata taaagaaaaa aatggctgag gacaaatgta gaaaagaatt
gatcagtgat cgtgcatttc actaaagcgt tctattgctt tagtgaagca tactcagtat
                                                                       540
                                                                       600
cttcaqtatc agtagaaaag atactcagta tcttttcagt ttgggatatg atggtcactg
atggccatca gcattcattg cccagtgtgt gaggccacta tggatgaaag ttgactattg
                                                                       660
     <210> 1684
     <211> 379
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (10) . . . (377)
     <223> similar to gi2384732 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1684
                                                                        60
ggcacgagcg acgagggcga cccctctgag aagctggagc tggtgacagg caccaacgtg
tacatcacaa gggcgcagct gatgaactgc cacgtcagcg caggcacgcg gcacaaggtc
                                                                       120
                                                                       180
ctactgcggc ggctcctggc ctccttcttt gaccggaaca cgctggccaa cagctgcggc
                                                                       240
accggcated getettetac caacgatede egteggaage coetggacag cegegtgete
                                                                       300
cacgetgtca agtactactg ccagaacttc gcccccaact tcaaggagag cgagatgaat
                                                                       360
gccatcgcgg ccgacatgtg caccaacgcc cgccgcgtcg tgcgcaagag ctggatgccc
                                                                       379
aaggtcaagg tgctcaagg
     <210> 1685
     <211> 351
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1) . . . (352)
     <223> n = a,t,c or g
     <220>
```

<223> similar to gi5738610 in the genepept database release 114,

<221> misc\_feature <222> (254)...(347)

## Run with FASTXY 3.3t00, default parameters

```
<400> 1685
ctttcatttc cctcttcttc acttcgtgtc ccctcagtcc tttacgctca tgtttcgctt
ctcattccat tttcattctt cccatctctg ttttcgtgtc tctctctttt ctcatcctct
                                                                      120
                                                                      180
tatgetetta getttetgtg ecetetetta etateagtet caacteteae tgttagaeta
ggtaccaccc tgtaggtatt ctctgagcac ttgggctcca gctcagcctc tgcnccgccc
                                                                      240
ctaccectee agggeaaaeg aggagatege ceaggteegg ageaaggeee aggeggeege
                                                                      300
gttggccctc caggccagcc tgaggaagga gcagatgcgc atcctcgtgc c
                                                                      351
     <210> 1686
     <211> 351
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (134)...(344)
     <223> similar to gi4836401 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1686
                                                                       60
ggcacgagtg acatttgatt aaatgtaaaa taagaaatcc cttgaaaatt ggttagaaca
                                                                      120
gacaataaat atctcattac tgttaagtga ttactgtggg ggttttttttg cttttgttct
ttttttaac agacctccaa ctcgggcagc ttctatcctt cctcttcttg gacatggtgt
                                                                      180
tecaegtttg ecceetggea gaaaacetee tggeeeteee eetggteeae etecteetea
                                                                      240
                                                                      300
agtcgtgcct atgtatggcc gtaaagtggg ttttgcccta aaacttcccc ctccgaggct
                                                                      351
atatgaagac atgttatata ggcctgaact tgctgagaag cgcctgttct t
```

```
<210> 1687
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(648)
<223> similar to gi34812 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1687
                                                                       60
ggcacgagcc gtgatcatct aaatgctttc ctggagtttt ctaaagaagg ggatgcccaa
tetteeetga aateatetgt tetgagtaet ggaaateage teettegaet aaaaaaggtg
                                                                      120
gacacagcca cgctgcgctc tgagctgtcg cgcattgata gccagtggac tgacctgcta
                                                                      180
accaatatee cageegteea ggagaagete caccagetee agatggataa actgeettee
                                                                      240
cgccatgcca tttctgaagt catgagttgg atttctctaa tggaaaatgt tattcagaag
                                                                      300
gatgaagata atattaaaaa ttccataggt tacaaggcaa ttcatgaata ccttcagaaa
                                                                      360
tataagggtt ttaagataga cattaactgt aaacagctga cagtggattt tgtgaaccag
                                                                      420
                                                                      480
tccgtgctac aaatcagcag tcaggatgtg gaaagtaagc gtagtgataa gactgatttt
                                                                      540
qctqaqcaac ttqqaqcaat gaataaaagt tggcaaattc tgcaaggtct agtaactgag
aagatccagc tgttggaagg cttattggaa tcttggtcag aatatgaaaa taatgtacaa
                                                                      600
tgtctgaaaa catggtttga aacccaggaa aagagactaa aacaacagca tcgaattgga
                                                                      660
                                                                      720
gatcaggett etgtteaaaa tgeaetgaaa gaetgteagg atetggaaga tttgattaaa
                                                                      722
```

```
<210> 1688
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(620)
<223> similar to gi2988422 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1688
                                                                       60
qqcacqaqca ggcatttcaa attactcttg aatttagggc ggaggcagag gatggcttac
tgctctactg tggggagaac gaacacggga ggggggattt catgtccctg gctatcatcc
                                                                      120
gacgetecet geagtteagg tttaattgtg gaactggggt tgecateate gtaagtgaga
                                                                      180
                                                                      240
ccaaaatcaa actagggggt tggcacacgg ttatgctcta cagagatggg ctgaacgggc
tgctgcagct gaacaatggc accccagtga caggccagtc tcagggccaa tacagtaaaa
                                                                      300
                                                                      360
ttactttccg gacacetete tatettggtg gegeteecag egettaettg ttggttagag
caacagggac aaaccgaggc tttcaaggct gtgtgcagtc gctcgctgtg aatgggagga
                                                                      420
gaattgacat gaggccctgg cccctgggaa aagcactcag tgggggctgat gtgggggaat
                                                                      480
                                                                      540
gcagcagtgg aatctgtgat gaggcctcgt gcatccatgg tggcacctgc acagcaatca
                                                                      600
aagccgactc ctacatttgc ctctgtcccc ttgggtttaa aggtcgacac tgtgaagatg
                                                                      660
gtgagaaaga agcaagttga aggcggtttc tatctgcatg ttaatttgtg taaatgtact
                                                                      692
ttatcatcaa tatagtttct ttgttaaaaa aa
```

```
<210> 1689
<211> 365
<212> DNA
<213> Homo sapiens
<220>
```

```
<223> similar to gi306746 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1689
ggcacgageg gggcaggaaa cggagaagca caaacgaaac tgatgcctcc aatatcgagg
                                                                       60
atcagtctga gacagaagcc tatgtgagtc ttgcaagttg ggatgctgac tatacaacca
                                                                      120
tettteettt tttaegttgg ageeteacte eggggettge acceteaaga tgeettetaa
                                                                      180
                                                                      240
acgtacaget etgtatgate ateteetgee tetgttagae ggetttagtt gatatattae
atatatttga ctctgtgtcg acttggtctg agcctgataa tgatactcgc gtctctcgag
                                                                      300
gttgttactc tagtttgcgt ttgtcttctt ccatgtccat tctataatat caggcgtcgg
                                                                      360
                                                                      365
acccq
     <210> 1690
     <211> 313
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(314)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (114)...(313)
     <223> similar to gi927407 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1690
                                                                       60
ggcacgageg gcacgaggaa atatgtcaac atactacagt tagtgtacag aatcagcatt
tcattgttag gacattttcc tcaactttct aaagccagca tttcaactga cttttccaga
                                                                       120
ccatatttga agatgttagt ggttttggtg cctggcatcg aagatggtgt ggtctttctg
                                                                       180
                                                                       240
gaatctgent atettattgt acttatecag atgetgatae tegtgeggta gteattetaa.
                                                                       300
cctcggaaca ccggccaacg aaactattga agcctgacgg ctgcaacgta atctactgcc
                                                                       313
tatcccagcg ccg
```

<221> misc\_feature <222> (6)...(134)

<210> 1691 <211> 339 <212> DNA

<213> Homo sapiens

```
<220>
     <221> misc feature
     <222> (111) . . . (228)
     <223> similar to gill72105 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 1691
ggcacgagca tggccccagg gcgggtgggc caggctcatg gtctctctcc aggccagcag
                                                                       60
tggcaccaca agggagatca cactgagatg cctgttaatt ctccccaccc cagatttgct
                                                                      120
tccagctcct gacgctgtgt ctgcgggagc tgtttgagtt ccgattcatg cagactgacc
                                                                      180
                                                                      240
ccaactgggc caacttectg tatgatgect ccagecacca ggttggttee tagtgatgtg
tgtctgggta catttgctgt tgtaacaaat attccttgat atttcggtag ctcaacaaaa
                                                                      300
                                                                      339
tagcagttga ttacccccac aataggcagg ggtggccct
     <210> 1692-
     <211> 377
     <212> DNA
     <213> Homo sapiens
     <220> ...
     <221> misc feature
     <222> (10)...(111)
     <223> similar to gi1546084 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1692·
ggcacgagaa aagaagaatt cagtgcagaa gaaaattttc tcattttgac ggaaatggca
                                                                       60
accaatcatg tacaggttct tgtagaattc acaaaaaagc taccaggtat tttttaaata
                                                                       120
atcacagtta atatttattg agagtttaaa tatgtgccca cagattagat tacctatttt
                                                                       180
                                                                       240
acatacqqtq ttttaatttt caaaacattc ctgtgagatc agctctattt tcactattac
                                                                       300
tttgccaagt attttcacat gtacttattt cactgctatt ctctacaata gtcttgtgac
attgagaaag gcaggtctgt tctttgtaaa atgaaaatca tttaatatct gatttaaagt
                                                                       360
                                                                       377
aactgtcgaa ctactat
     <210> 1693
     <211> 326
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (2)...(70)
     <223> similar to gi2914017 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

```
cgcctcttgg gggctggaag agacagtaca gtgtcttctg gagtttggtg ccaacgtgaa 60 cgcacaggtg tgtcgttct cttttccggg gagagaggtg tagccccagc atgagggaag 120 cctcctcta tggcagagga ccttgcacag tccccagttc caggcgctgc tgcttcatga 180 acacacgacc tccctagcag cgttcatgat ttcaggctga ctgtgcttct ctgtgccttt gtccttacta caacaggagg aagatttgtt tcagctcttt ctctttgcct cctattcccc 300 cttagttaca gatttcctct cgtgcc 326
```

```
<210> 1694
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)...(480)
<223> similar to gi212752 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1694
                                                                       60
ggcacgagcc cacattccaa ggctacagac aggaggaggg aaccagcata ggaactggca
tggagcagct tgtgaaggag aggaaagggg tacaggctcg ggagaagcag cctgcagagc
                                                                      120
ccccagccc tctgcggagg cgggcggcca gtgatggaca gtatgagaac cagtctccag
                                                                      180
aagccacate coetegtage cetggggtte geteecetgt ceagtgtgte teeceggage
                                                                      240
                                                                      300
tggctcttac catcgctctc aatcctggag ggcggcccaa agagccccat ttgcacagct
acaaggaggc cttcgaggag atggagggaa cctccccgag cagcccacca cccagtgggg
                                                                      360
tgcgagcccc cccggatatg accatgactc ccctagatgc tctgggcctg aaacctcaca
                                                                      420
                                                                      477
atccagcgga catcctgttg caccccacag gagagccccg cagctatttg gagaccg
```

```
<210> 1695
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (211)...(389)
<223> similar to gi4240199 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 1695
ggcacgaggt tagccagcta taaactcagt ctcattccct gtccgttcca actttactgg 60
gttcttttaa aaaccagacc acgggctggg aaatgccttg atctttactg accgagttgt 120
atattgggcc tagccctagc cctgttaagg ggcactgtgt ggaaatgccc aggctctcca 180
gattgaaact tctcactctt caccatccag ttgtccagct gcagcaaagc acatacagag 240
tgggagttag agcagtccct acaggaccag gcactgctga aagcgcagct gacacagttg 300
aaggagtcat ttcaacaact ccaattagaa agagatgagt gtgctgaaca tatagaagga 360
gagagggccc ggtggcatca gaggatga
```

```
<210> 1696
<211> 892
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (598) ... (893)
<223> similar to gi5834564 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1696
                                                                    60
 ggcacgaggt cattgccaca ggcaggacct atgggcgcat ataggttgta atgaaactgt
 agtotcagtt ggaagcotaa acatgaaatg ggtcagtgag caaggotota ttoctagtot
                                                                   120
                                                                   180
 ccagccatge etgtggcaac etgageeege teteageaca ttggaeeeag geagatgtaa
                                                                   240
 aaaattcaca gaactatgat ttggactgaa gggtttgtag atttcctcct tcattctaat
                                                                   300
 ttcaqtqtct aaaattcttg catccatgaa cgagctgggc atttgatgag acagggctga
 atactttagt tttcctcctg gaaatcatct ggggcatttt ctttgaactg atgggaacaa
                                                                   360
                                                                   420
 taaagcataa ctgtttgcac aaacttggga taaatgattt tgggataacg atctaccaga
                                                                   480
 atggggatat ttcaccettg gttctgagat gtaaaccaaa gaatatcatg accagettte
                                                                   540
 aggestestg aagtatatet etsaaattgt setgttetsa tgetgaggag setgagates
                                                                   600
 ctgtgtgggg attagacagt ggactgttat gggtgtaggt gaattggctt attttgtctg
	au toootgootg aatgtattgo aggaattaaa aaggaccaag aagaggaaga agaccaaggo
                                                                   660
                                                                   720
 ccaccatgcc ccaggetcag cagggagetg etggaggtag tagageetga agtettgcag
                                                                   780
 gactcactgg atagatgtta ttcaactcct tccagttgtc ttgaacagcc tgactcctgc
                                                                   840
 cagecetaca gaagtteett ttatgeattg ggggaaaaac atgttggett ttetettgae
                                                                   892
```

```
<210> 1697
<211> 401
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (6)...(401) <223> similar to gi3201662 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
    <400> 1697
ggcacgaggt taatgacaat aaacctgaaa ttaacatcaa cctcatgtcc cctggaaaag 60
aagaaatatc ttatatttt gaaggggatc ctattgatac atttgttgct ttggtcagag 120
ttcaggacaa ggattctggg ctgaatggag aaatagtttg taagcttcat ggacatggtc 180
actttaaact tcagaagaca tatgaaaaca attatttaat cttaactaat gccacactgg 240
atagagaaaa gagatctgag tatagtttga ctgtaatcgc tgaggacagg gggacaccca 300
gtctctctac agtgaaacat tttacagttc aaatcaatga tatcaatgac aatccacccc 360
acttccagag aagccgatat gaatttgtaa tttcagaaaa g
401
```

```
<210> 1698
<211> 1224
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (287)...(398)
<223> similar to gi520469 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1698
                                                                       60
ggtttttttt ttttttcttt tgggaaaggc attggccact ttggacttta ttagcaacag
                                                                      120
taatgtcccc tgacatacgc acaagcttgt agctccacgg ccaggtcttc ccccaacctc
acaatqqccc cqtqatqcaq gcaggcaggc gagtgggggt ctcccctcct tatccacagg
                                                                      180
                                                                      240
gccaccgaaa ggcccacgag acggccttgc ccgaggtcac ccagcggagt ggcttgctgg
                                                                      300
gagccctggg aataacagtc ccacacaagg ctctctccct ccgcagctgg acctgtacgc
                                                                      360
gggggctctg tttgtgcaca tctgcctggg ctggaacttc tacctctcca ccatcctcac
geteggeate acagecetgt acaceatege aggtatggtg cetgeageag ggaggteeae
                                                                      420
                                                                      480
ccaggggacg tgtaaagggg tcagaaggcc acctcccct acaggcccga gggagcagcc
                                                                      540
caggaagtgg ccccagcagg agccccagaa gttcctcccc gtgtccctcc tccctggggc
cagggecece tecageaace ttgettecae tggeaggggg eetggetget gtaatetaea
                                                                      600
cggacgccct gcagacgctc atcatggtgg tgggggctgt catcctgaca atcaaaggtg
                                                                      660
aggacagagt ctgtggccat ggcggggctg tccccacagc gagccctttg gagtctggca
                                                                      720
                                                                      780
ctgcccggca ctgtgcagga ttcatgccgt tggggttctg ggtagcatcg ctgggagtgg
gtgggttcag gaggttgagc cactaggcag tcagccccc tgctggcccc tcagggactg
                                                                      840
ccctggctgg tagaggctac ccaccctgct gccccgctgt taccagctct ggccctggca
                                                                      900
                                                                      960
aggagetgae teaggaacte agggeeagee acaccegeat tggeteageg ettgatggtg
                                                                     1020
aggtggggct gtaggcgggt gtgaaggcac acaaccagga ggccataaaa ctgcctgggc
                                                                     1080
agetecteca attgtttaaa ageatgtaca aaatgecaag aggtgatget aceteetgea
ggacaaaggc cagggaggaa agaagagagc tgggagagat tggcgatact agtctggaac
                                                                     1140
                                                                     1200
agataggaaa ctcacagggc tgcccggaga gagcgtgagc tcaccgtccc tggaagtatg
                                                                     1224
taagcagagc caggagctcg tgcc
```

```
<210> 1699
     <211> 357
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(358)
     \langle 223 \rangle n = a,t,c or g
     <220>
     <221> misc_feature
     <222> (9) ... (360)
     <223> similar to gilll3865 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1699
                                                                        60
ggcacgagga aattgctgaa cttcaggggc aagcagcagt gctcaaggag gcacatcatg
aggccacttg caggcatgag gaggagaaaa aacaactgca agtgaagctt gaggaggaaa
                                                                       120
agactcacct gcaggagaag ctgaggctgc aacatgagat ggagctcaag gctagactga
                                                                       180
cacaggetea ageaagettt gagegggaga gggaaggeet teagagtage geetggaeag
                                                                       240
                                                                       300
aagagaaggt gagaggettg actcaggaac tagagcagtt tcaccaggag cagctgacaa
                                                                       357
gcctggtgga gaaacacact cttgagaaag aggagttaag aaaagagctc ttggaan
     <210> 1700
     <211>. 1079
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (2)...(1075)
     <223> similar to gi3170196 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1700
                                                                        60
agcctctaca actgagttaa agaaagagag taaaaaagaa aggccagagg aaaccagcaa
                                                                       120
ggatgagaaa gtcgtgaaaa gcgaggacta tgaagatcct ctacaaaaaac ctttagaccc
                                                                       180
tacaatcaaa tatcaatacc taagggagga agacttggaa gatggctcaa agggtggagg
                                                                       240
ggacattttg aaatctttgg aaaatactgt caccacagcc atcaacaaag cccaaaacgg
                                                                       300
ggcccccage tggagtgcct accccagcat ccacgcagcc taccagctgt ctgagggcac
                                                                       360
caageegeet ttgeetatgg gateeeaggt actgeagate eggeetaate teaceaacaa
                                                                       420
gctgaggccc attgcaccaa agtggaaagt gatgccactg gtttctatgc ccacacct
```

```
ggccccttac actcaagtca agaaagagtc agaagacaaa gatgaagcgg tgaaggagtg
                                                                      480
                                                                      540
tgggaaagaa agtccccacg aagaggcctc atctttcagc cacagtgagg gcgattcttt
ccgcaaaagt gaaacacctc cagaagccaa aaagaccgag ctgggtcccc tgaaggagga
                                                                      600
ggagaagctg atgaaagagg gcagcgagaa ggagaaaccc cagcccctgg agcccacatc
                                                                      660
tgctctgagc aatgggtgcg ccctcgccaa ccacgccccg gccctgccat gcatcaaccc
                                                                      720
actcagegee etgeagteeg teetgaacaa teaettggge aaageeaegg ageeettgeg
                                                                      780
ctcaccttcc tgctccagcc caagttcaag cacaatttcc atgttccaca agtcgaatct
                                                                      840
caatgtcatg gacaagccgg tettgagtee tgeeteeaca aggteageea gegtgteeag
                                                                      900
gegetacetg tttgagaaca gegateagee cattgaeetg accaagteea aaagcaagaa
                                                                      960
agecgagtee tegeaageae aatettgtat gteeceaeet cagaaggeae ggtettgtet
                                                                     1020
tgacattcgc cgacatgggt caaaagttcc ttccccaaag gccaccaccc caaaggcca
                                                                     1079
```

```
<210> 1701
<211> 433.
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(434)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (191)...(300)
<223> similar to gil83039 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1701
                                                                       60
caaqtccaqt cccaagttaa aggaaggttg aatttcctga aaaatnaaat gtgggcaaaa
gggcttccca aacccagatg gggaattagg agatggcttg ggaatgacat gatctgagga
                                                                      120
agggcctggg tcagggaaga gcatgtttgt gtagttggtt cataacttct ctgggcttct
                                                                      180
gcttgtctag gtgcaattaa cagactttga gaactctgcc tatgtggtgt ttgtggtact
                                                                      240
gctcaccaga gtgatccttt cctacaaatt ggattttctc attccactgt caaaggtaag
                                                                      300
                                                                      360
gatatgtttc tttatggtga tgggtataga tctatctgta gatatattta tttatatatg
ctatttattt cccacctaat ttcatttgaa attgtttacc ctttgcaata aaatgtttct
                                                                      420
                                                                      433
ccatcctcgt gcc
```

```
<210> 1702
<211> 345
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(346)
```

```
<223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (13)...(345)
     <223> similar to gi5690435 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1702
ggcacgagcg gcacgagatc tgaagaggta tattgcttac agaaagagcg ggagatggta
                                                                       60
                                                                      120
aatcacagto ttcaagagao ttctgagcaa aacgttatto tacagcatao tottcagcaa
cagcagcaaa tgttacaaca agagacaatt agaaatggag agctagaaga tactcaaact
                                                                      180
                                                                      240
aaacttqaaa aacaqqtqtc aaaactggaa caagaacttc aaaaacaaag ggaaagttca
gctgaaaagt tgagaaaaat ggaggagaaa tgtgaatcag ctgcacatga agcagatttg
                                                                      300.
aaaaggcaaa aagtgattga gettaetgge aetgeeagge aagtn
                                                                      345
     <210> 1703
     <211> 331
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (3)...(328)
     <223> similar to gi2065210 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1703
acatcaatgc tccagctttg attcaaagag atcttgatca ctttttgctt ttgcaaaata
                                                                        60
                                                                       120
tcaccctagt ccattacatt gatgacagta tgctgattgg atccagtgag caagaagtag
                                                                       180
caaacacact ggacttatta gtgagacatt tgcataccag aggatgggaa ataaatccaa
gtaaaattca gggaacttct acctcagtaa aatttctagg ggtacagtgg tgtggggcct
                                                                       240
gtcaagatat tccttctaag gtgacggaca agttgctgca tttggcccgt cctacaacca
                                                                       300
                                                                       331
agaaagaggc acaacggcta gtgctcgtgc c
     <210> 1704
     <211> 340
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (10)...(179)
```

## <223> similar to gi4337103 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<210> 1705
<211> 331
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(218)
<223> similar to gi927649 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1705
ggcacgaggg ccgaccagtg ctatgaagat gtgcgcgtct cacagaccac ctgggacagt 60
ggcttctgtg ctgtcaaccc taagtttgtg gccctgatct gtgaggccag cgggggaggg 120
gcctttctgg agctgccctt gggcaagact cgacgtgtag ataaaattgc gttgacggac 180
gttggcctct atggtcgtgt gttatgcgtt gtgtggtacg ttatcttcgg attttgttct 240
tatagcgctt gacgcgatgg tgacttctga tttggtttga ctttggcgta ccgatttgtg
tgtgtggtca gtagtgcaag ctgtggtgcg g
331

```
<210> 1706
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(200)
<223> similar to gi1938569 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1706
agtgaacttt attacagtaa aattggccct gctttgaaaa cagttgggct tagcctggat 60
gtgtcccgtc gggattggcc tcttcatgta atgaaggcag tattggaaga gttaatggag 120
gccacacccc cgaatctcct tgccaaagag ctctggtcat cttgcacaac acctgatgaa 180
tggtggagag ttacgcaggt atgtgctttg ttttagacta tactcagtag tagtatttct 240
tttgcctgct accttcttgc ctatcttgtt tgtcctcctt cccttccttc ctctgtccct cagacttgg tagtttgaga cgtatatttg agtttaatat tacagttata aaggcatgaa 360
catgactgtg tccgagggca ggatggggga agaagtatgg aggaaatgaa aaggagat 418
```

```
<210> 1707
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)...(294)
<223> similar to gi5832792 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1707
ggcacgaggg cagatttgca tctttacaac cagaagctca gggagaagtt gaaggaggag.
                                                                      60
gagaacacag tgggccgaag aggtgagggt gctgagcctc agtatgtgga caagttcggc
                                                                     120
ttccacacgg tgacgtgctg cggcttcatc ccgcaggtga atgagtggca ggatgactgg ,
                                                                     180
ccgacctttt tcgcccggca ccggctccag gcgcagctgg acctcattga gaaggactat
                                                                     240
getgacegag aggeaegaga actetggtee eggetacagg tgggeaegge agtgaettet
                                                                     300
ctgggaaaga gctggtcctc tcatgatccc gccgcatttg tgcgggttca tctataaaac
                                                                     360
ggagctggag cagggaacac tgagtcctgg agcacacatc agggaggaag gggggcaggg
                                                                     420
                                                                     480
gcgggggttc ccccaaaagg gagtccgaaa ggagtgagga gtgaagacac acttggctcc
                                                                      540
tegtgeeect etecaetget aggteaceag gtatttagee teagaettte eteatgtgaa
acacaggtgc ttgtaaatgg tggtgtttac catgattact gttcttacta tcagtaacac
                                                                     600
ttgtccactc catcgtgttc ctctcccatg ggaagatgtg ggtaccagat gatccagaat
                                                                      660
                                                                      683
gactgatttc aaaacataac tct
```

```
<210> 1708

<211> 478

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(479)

<223> n = a,t,c or g
```

```
Run with FASTXY 3.3t00, default parameters
     <400> 1708
gagactecaa gececagttt caceteagag geagagatga ggggteeece ggteetgete
                                                                       60
ctccaggccg ccccaatgga gtgtcctgtt ccgcagggga tcccggccgg gtccagtcct
                                                                      120
gagcctgcac ctgaccccc ggggcctcat ttcctccggc aggagcgcag cttcgagtgc
                                                                      180
cgcatgtgcg gcaaggcctt caagcgctcg tccacgctgt ccacccacct gctcatccac
                                                                      240
teagacaege ggeectaece etgecagtte tgeggeaage gtttecaeea gaagteegae
                                                                      300
                                                                      360
atqaaqaaqc acacctacat ccacacaggt gagaagccgc acaagtgcca ggtgtgcgga
aaggeettea gecagagete caaceteate acceacagae teagagagaa eccaceatgg
                                                                      420
                                                                      478
tgctgtctcc tgccgacaag accaacgtca aggccgcctg gngtaagggt cgcgcgca
     <210> 1709
     <211> 1819
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (32)...(678)
     <223> similar to gi436228 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
     <400> 1709 °
cccacgcgtc cgaacagaag atgtgtacac atccagaaag aaacaacacc agaccatgat
                                                                       60
                                                                      120
gcattattit tgtgcattaa atactettea gtacaagaag aaaatageat tgttagaace
                                                                      180
totacttggg tacatgcaag ctcagataag tttctttaag atgggttctg aaaatcttaa
                                                                      240
tgaacaactg gaagaatttt tagctaatat tggaacaagc gttcagaatg ttcgcaggga
                                                                      300
aatggacagt gatatagaga ccatgcaaca gacaatagag gatttggaag tagccagtga
                                                                      360
tecettatat gtgeetgace cagaececae caaattteet gttaategaa atttaaceeg
                                                                      420
aaaggctgga taccttaatg ctaggaataa aacaggcttg gtgtcatcta cctgggacag
                                                                      480
acagttttac ttcacgcagg gtggaaattt aatgagtcag gcccgtgggg atgtagcagg
                                                                      540
aggectggee atggacatag acaactgtte agtgatgget gtggactgtg aagacagaeg
atattgtttt cagatcacct ctttcgatgg aaaaaaatct tcaattttgc aagcagagag
                                                                      600
taaaaaagat catgaagagt ggatctgtac aataaacaac atatctaaac aaatatactt
                                                                      660
                                                                      720
aagtgaaaat ccagaggaaa ctgctgcacg agtaaatcaa tcagctctgg aagctgtcac
                                                                      780
tecttececa tetttecage agaggeaega gageetgegg ecageageag gacaateteg
                                                                      840
gccaccgaca gctcgaacca gcagttcagg atccttagga tctgagtcta caaatttggc
                                                                      900
tgccctctct ctagattctc ttgttgcccc agacacccca atacagtttg acataatttc
tectgtgtgt gaagateage etggeeagge aaaageettt ggeeagggag geaggegtae
                                                                      960
```

<223> similar to gi3080757 in the genepept database release 114,

<221> misc\_feature
<222> (148)...(478)

aaatccattt ggagaatctg gaggaagtac aaaatctgaa actgaagatt ctattcttca tcagttattt attgtccgat tccttggttc aatggaggtg aaatcagatg accatccaga

tgttgtttat gaaactatgc gccaaatctt agctgcccgg gccatccata acatctttcg

tatgacagaa tegeatttat tagteacttg tgactgttta aagttaattg atecacagae

1020

1080

1140

1200

```
acaagttaca aggeteacgt ttecattace ttgtgtagtt ttgtatgeta cacaccagga
                                                                     1260
                                                                     1320
aaataagcgc ctttttggat ttgttcttcg gacatcaagc gggagaagtg aaagtaatct
gtcatcagtc tgctatatat ttgagtcaaa caatgagggg gaaaagatat gtgattctgt
                                                                     1380
                                                                     1440
tggactggca aaacagatag ctttgcatgc tgaactggat cgtagggcat cagaaaaaca
                                                                     1500
aaaagaaata gagagagtaa aagagaagca acagaaagaa ctcaataaac aaaaacagat
                                                                     1560
tgaaaaggac ttggaagaac aaagtcggtt gatagctgct tccagtagac caaaccaagc
cagtagtgag gggcagtttg ttgtccttag cagtagccag tcagaagaga gtgatttggg
                                                                     1620
aggaggagga aagaagagag aatcagaagc ataagcttat acttttggta gatattcccc
                                                                     1680
cttggaattt gacagtttct atggtgaaat ggcagaaggt aacaactatg ttgaaatatc
                                                                     1740
                                                                     1800
aaggaggaga ttaagcttta tatttgctta tttgttgtag ctacatttta aaaaaaagat
                                                                     1819
tgaacttgat gaaaaaaaa
```

```
<210> 1710
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(371)
<223> similar to gi3876638 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
400> 1710
aactacccat tttctggatt ttcccctatt tttttgaatc ccgaatttgt cagtttttc 60
caagcttcca gatgctggat taccaggtag attatgataa tcatgcactt tataaacacg 120
gaaagacagg tcgaaaacag tctcccgtgc gtattttcac caacattccg cccaacaaaa 180
taatccttcc tactgaagaa gggtacagat tttgctctcc gtgtcaacgg tatgtttctc
tagagaatca acactgtgag cactgtaatt cttgcacatc caaggatggc aggaaatgga 300
accattgctt tctctgtaaa aagtgtgtaa agccttcctg gatccactgt agcatctgca 360
atcactgtgc tgttcca
```

```
<210> 1711
<211> 648
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (122)...(533)
<223> similar to gi220637 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1711
                                                                 60
120
ttccccaggc cctgcgagcc cagtcagtca cccggatggc caagaagcca aggcactgcc
gccctttgca tgtgacgtgt gcgagaagag gtttacgtgt aattccaagc tagtcatcca
                                                                180
caagagatca cacacaggcg agagactctt tcaatgtaat ctctgtggga agcgcttcat
                                                                240
                                                                300
geagettatt ageeteeaat tteaceageg aaceeacact ggegagagge cetacaegtg
tgacgtctgc cagaagcagt tcacccagaa gtcctacttg aagtgtcaca agagaagcca
                                                                360
cacaggggag aagcccttcg aatgtaaaga ctgcaagaaa gttttcacct acagggggag
                                                                420
cctgaaggag caccagcgca tccactccgg agagaaaccc tacaaatgtt ccaagtgtcc
                                                                480
aagagcette agteggetga aattgttaag acgeeaceag aaaacacate cagaagetae
                                                                540
                                                                600
ttcttaqtqa ttgcataatc cggtctatgc cttctgcacc aagaagaaga gaatgatatt
                                                                648
tttcatcaat gttatcagat gacatttgac acatgcaagg gcgtctga
```

```
<210> 1712
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(590)
<223> similar to gi50866 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1712
                                                                       60
ggtcacagaa aaaaacacag aaatgtgcaa tgtcatgatg cagttgagga aaatggccaa
                                                                      120
tcatccttta ttacatcgcc aatattacac agctgaaaaa ctcaaggaaa tgtctcagct
tatgctaaag gaacctacac attgtgaggc taaccetgac etgatetttg aagatatgga
                                                                      180
                                                                      240
agttatgaca gacttcgaac tacatgtact ttgtaaacag taccgacaca ttaataactt
tcagttagac atggacttga ttttagattc tggaaaattt cgagttttag gatgcatctt
                                                                      300
gtotgaattg aaacagaagg gtgatagagt tgtgttattt agccaattta ccatgatgct
                                                                      360
                                                                      420
ggatatetta gaggttetat taaaacatea teageatagg taeeteagat tagatggaaa
                                                                      480
gactcagatt tetgaaagga tteatetaat tgatgagttt aatacegata tggatatett
                                                                      540
tgtgtttctg ctatcaacaa aagctggtgg attaggaata aatctgactt cagcaaatgt
                                                                      600
tgttatactt cacgatattg actgtaatcc ttataatgac aaacgcggcg gtgggggct
```

```
<210> 1713
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (66)...(521)
<223> similar to gi4559318 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1713
agacggttgc agttgcttcc aaacctttag tccgcctcgg attcccgttc gacccacgcg
                                                                       60
ttcgatgtga caaagctttt aatcagcaat caaaccttgc acgtcatcgt agaattcata
                                                                      120
ctggagagaa accttacaaa tgtgaagaat gtgacaaagt tttcagtcgg aaatcaaccc
                                                                      180
                                                                      240
ttgagtcaca taagagaatt catactggag agaaaccata caaatgtaag gtttgtgaca
cagctttcac atggaattct cagctggcaa gacataaaag aattcacact ggagagaaaa
                                                                      300
cttacaagtg taatgagtgt ggcaagacct tcagtcacaa gtcatccctt gtatgccatc
                                                                      360
atagacttca tggtggagag aaatcttaca aatgtaaggt ctgtgacaag gcttttgcgt
                                                                      420
ggaattcaca cctggtaaga catactagaa ttcatagtgg aggaaaacct tacaagtgta
                                                                      480
atgaatgtgg gaagaccttt ggtcaaaatt cagatctt
                                                                      518
```

```
<210> 1714
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (57)...(656)
<223> similar to gi2315451 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1714
tattctttat ttagatatat tcaatattta ttttcatgag attactttct tttgtagata
                                                                       60
attatcaaac agcacagcta cttgccttaa ttttagagtt actcacattt tgtgtggaac
                                                                      120
atcacacata tcacataaaa aactatatta tgaacaagga cttgctaaga agagtcttgg
                                                                      180
tettgatgaa tteaaageae aettttetgg eettgtgtge eettegettt atgaggegga
                                                                      240
taattggact taaagatgaa ttttataatc gttacatcac caagggaaat ctttttgagc
                                                                      300
                                                                      360
cagttataaa tgcacttctg gataatggaa ctcggtataa tctgttgaat tcagctgtta
                                                                      420
ttgagttgtt tgaatttata agagtggaag atatcaagtc tcttactgcc catatagttg
                                                                      480
aaaactttta taaagcactt gaatcgattg aatatgttca gacattcaaa ggattgaaga
ctaaatatga gcaagaaaaa gacagacaaa atcagaaact gaacagtgta ccatctatat
                                                                      540
                                                                      600
tgcqtagtaa cagatttcgc agagatgcaa aagccttgga agaggatgaa gaaatgtggt
                                                                      660
ttaatgaaga tgaagaagag gaaggaaaag cagttgtggc accagtggaa aaacctaagc
cagaagatga ttttccagat aattatgaaa agtttataaa gact
                                                                      704
```

```
<210> 1715
<211> 583
<212> DNA
<213> Homo sapiens
<220>
```

```
<221> misc_feature
<222> (7)...(311)
<223> similar to gil389741 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1715
ctcgcgcgcc tgcaggtcga cactagtgga tccaaagaat tcggcacgag ggcctttaga
                                                                       60
atgaagtcat acctcattga tcatcaccga actcacacag gagagaaacc atatgaatgt
                                                                      120
aatgaatgtg gtaaatcatt cagtcaaaag acaaatctca atctacatca gagaattcat
                                                                      180
acaggggaga aaccctatgt ttgtaatgaa tgtgggaagt cctttcgcca gaaagcaacc
                                                                      240
ctcactgtac atcagaaaat acataccggc cagaaatcct atgaatgtcc tcagtgtggg
                                                                      3.00
                                                                      360
aaaqccttta qcaqqaagtc atatctcatt catcatcaaa gaactcatac gggagagaaa
                                                                      420
ccatataaat gtagtgaatg tggaaagtgc ttccgccaga agacaaatct caatctacat
                                                                      480
cagagaatte atacagggga gaaaccetat gtttgtaatg aatgtgggaa gtcctttcgc
cagaaagcaa ccctcactgt acatcagaaa atacataccg gccagaaatc ctatgaatgt
                                                                      540
cctcagtgtg ggaaagcctt tagcaggagt cgacgcggcc gcg
                                                                      583
```

```
<210> 1716
<211> 332
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(161)
<223> similar to gi29653 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1716
ggcacgagca gctcaccaac aacacagcca ctgcccctc tgccacgccc gtgtttgggc 60
aagtggcagc cagcaccgca ccaagtctgt ttgggcagca gactggtatc acagccagca 120
cagcagttgc cactccacag gtaatcagct caaggttcat taatctagat ttttagtata 180
tagtattatt gaatatatat aatgttttat atattagact ttatacttga gacataggaa 240
ataatttatg tataactgtt aattaaattt tatatttgct agattagaaa attctattaa 300
tttattaatg aattatatct aattatgtga ca 332
```

```
<210> 1717
<211> 1087
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

```
<222> (1)...(1088)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (39)...(1084)
<223> similar to gi3329465 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1717 60 ttttntcccn nnnncccggt cgacccacgc gtccgaatag tcctgtagga gtctctaagg ttttggtttc aggaggctcc acacacaatt cagagaaaaa gggagatggc actcagaact 120 180 cequeaatee tagecetagt gggggtgaet etgeattate tggegagttg tetgetteee. 240 tacctggctt actgtccgac aagagagacc tccctgcttc tggtaaaagt cgttcagact gtgttactag gcgcaactgt ggacgatcaa agccttcatc caaattgcga gatgcttttt 300 360 caqcccaaat ggtaaagaac acagtgaacc gtaaagcctt aaagaccgag cgcaaaagaa aactgaatca gettecaagt gtgactettg atgetgtact geagggagae egagaaegtg. 420 gaggttcatt gagaggtggg gcagaagatc ctagtaaaga ggatcccctt cagataatgg 480 gccacttaac aagtgaagat ggtgaccatt tttctgatgt gcatttcgat agcaaggtta 540 600 agcaatctga tcctggtaaa atttctgaaa aaggactctc ttttgaaaac ggaaaaggcc 660 cagagetgga etetgtaatg aacagtgaga atgatgaact caatggtgta aatcaagtgg tgcctaaaaa gcggtggcag cgtttaaacc aaaggcgcac taaacctcgt aagcgcatga 720 780 acagatttaa agagaaagaa aactetgagt gtgeetttag ggtettaett eetagtgaee 840 ctgtgcagga ggggcgggat gagtttccag agcatagaac tccttcagca agcatacttg 900 aggaaccact gacagagcaa aatcatgctg actgcttaga ttcagctggg ccacggttaa 960 atgtttgtga taaatccagt gccagcattg gtgacatgga aaaggagcca ggaattccca -1020 gtttgacace acaggetgag etceetgaac cagetgtgeg gtcagagaag aaacgeetta 1080 ggaagccaag caagtggctt ttggaatata cagaagaata tgatcagata tttgctccct 1087 aaggaaa

```
<210> 1718
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (204)...(328)
<223> similar to gi4103882 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1718
gtccgctacc agttcacgcc tgccttcctc cgcctgaggc aggtgggagc cacgtgagtc 60
gctgggctat gggtggtgt gggggtgagg gagagggtgt gagtgggccc ttcttagcct 120
ctcgtatggg tggtctgtcc tgagcctggc tggattgttg acttcatgga cagacttagc 180
tctgcctcct ttcttgctc atggtggagt taacagtggg tgacaatcct gtatactatt 240
ttcgcttgat cgagaggcac tacgttcgca tccaggtact catatgctat gacttccact 300
```

```
<210> 1719
     <211> 344
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(114)
     <223> similar to gi553800 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
     <400> 1719
                                                                       60
ttggagttca gtgatgatat tgtgaagatc attgaagcag ccattaattc agatggagga.
cagocagaaa ttaaaaaaago caacagoatg gtcaagtoot tottoattog ggtgaatgat
                                                                      120
attactaatt catgttttta atgcttacct ataagtaatt accctgtgaa tacaatgaac
                                                                      180
ttgttctctt ctactttttg ctttgtggtg tgtataaaac atctttggtt taatttgatc
                                                                      240
ccctgattct ttgagaggaa cttggtgagg ttgccagagt ggatggatct ttctcttggt
                                                                      300
                                                                      344
ggcctgaaat tatcctcgta ttaacagaga agctggtttg aaga
     <210> 1720
     <211> 325
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1) ... (326)
     <223> similar to gi488555 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1720
                                                                       60
tataaatgta cagaatgtgg caaagcette agteagagea tatgeettae tegteateag
                                                                      120
agaagteatt etggagataa acettttaag tgtaatgaat gtgggaaage etttaateag
                                                                      180
agtgcatgtc tcatgcagca tcagagaatt cattcaggag agaagcccta cacatgcact
                                                                      240
gaatgtggta aagcettcae teagaactet teeettgttg aacatgaaag gaetcacaet
                                                                      300
ggagagaaac tttataagtg tagtgagtgt gaaaaaactt tccgcaaaca agcacacctt
                                                                      325
agtgagcatt acagaattca tactg
```

```
<210> 1721
<211> 429
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(364)
<223> similar to gi5912374 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	1721	٠.				
cctaacttgt	ttccgacagg	gcatggtgct	gatgtgaaat	gtgtagactg	gcatccaacc	60
		aagtaaagat				120
aagactgggc	agagtcttgc	aacacttcat	gcccataaaa	acacagtaat	ggaagtgaaa	180
ttaaacctca	atggcaattg	gctactcaca	gcatcacgtg	atcatctctg	taaacttttt	240
gatatcagaa	acctaaaaga	agagcttcaa	gtcttccgag	gtcataagaa	agaagccaca	300
gctgtggcct	ggcatcctgt	tcatgaagga	ctttttgcca	gtggagggtc	tgatggctct	360
		ggtagagaag				420
gggatgatc					•	429

```
<210> 1722
<211> 328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(331)
<223> similar to gi50866 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1722
ggcttatgaa caaatgtgaa gacatttcaa ataaattgac caaacaagtt accatgctta 60
ctggaaatgg aggtggatgg aacatagaac aaccttccat tctaaaccag agtttgtcac 120
tcaagcccta tcagaaggtt ggtttgaatt ggctggcatt ggtacataaa catggactta 180
atggcatttt ggcagatgaa atgggcctag gaaaaactat tcaagccatt gcatttctgg 240
catacctcta tcaggagggt aataatggtc ctcatttgat cgttgttcca gcttcaacta 300
tagataactg gttaagggaa gttaattt
```

```
<210> 1723 <211> 236
```

```
<212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (2)...(238)
     <223> similar to gi3628757 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1723
catcagcggc caggaaggat tgcaagcagt cttagccagc gactattcat ttgcacagtt
                                                                      120
tagatatete caaaggette teettgttea tggaaggtgg tettätttee gaatgtgeaa
attettatge tatttettet ataagaattt tgeatttaca ettgtgeatt tetggtttgg
                                                                      180
tttcttctgt ggtttctcag cccagactgt ttatgaccag tggttcatca cccttg
                                                                      236
     <210> 1724
     <211> 884
     <212> DNA
     <213> Homo sápiens
     <220>
     <221> misc_feature.
     <222> (3)...(497)
     <223> similar to gi330862 in the genepept database release 114
       Run with FASTXY 3.3t00, default parameters
     <400> 1724
ccacacgcag aacaacaaca acaagcccca ccaccacccg acaaatgaca acaaccccag
                                                                       60
ctgcacttcc aacaacagtc gtgaccacac ccgatctcac aaccggaaca ccactccaga
                                                                      120
tgacaaccat tgccgtcttc acaacagcaa acacgtgcct ttcactaacc ccaagcaccc
                                                                      180
                                                                      240
ttccggagga agccacaggt cttctgactc ccgagccttc taaggaaggg cccatcctca
                                                                      300
ctgcagaatc agaaactgtc ctccccagtg attcctggag tagtgctgag tctacttctg
ctgacactgt cctgctgaca tccaaagagt ccaaagtttg ggatctccca tcaacatccc
                                                                      360
acgtgtcaat gtggaaaacg agtgattctg tgtcttctcc tcagcctgga gcatctgata
                                                                      420
                                                                      480
cagcagttcc tgagcagaac aaaacaacaa aaacaggaca gatggatgga atacccatgt
caatgaagaa tgaaatgccc atctcccaac tactgatgat catcgccccc tccttgggat
                                                                      540
                                                                      600.
ttgtgctctt cgcattgttt gtggcgtttc tcctgagagg gaaactcatg gaaacctatt
                                                                      660
gttcgcagaa acacacaagg ctagactaca ttggagatag taaaaatgtc ctcaatgacg
                                                                       720
tgcágcatgg aagggaágac gaagacggcc tttttaccct ctaacaacgc agtagcátgt
tagattgagg atgggggcat gacactccag tgtcaaaata agtcttagta gatttccttg
                                                                       780
```

840 884

tttcataaaa aagactcact tattccatgg atgtcattga tccaggcttg ctttagtttc

atgaatgaag ggtactttag agaccacaac ttctctgtca aaaa

```
<210> 1725
<211> 1958
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(528)
<223> similar to gi4803663 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1725
tatatcttgg ccttagaaaa tcagcttaca atggccgaat attttttaga aaatggtgca
                                                                       60
aacgtagaag caagtgatgc tgaaggaagg acagcacttc atgtgtcttg ttggcaaggc
                                                                      120
catatggaaa tggtgcaggt cctgatagca taccatgctg acgtcaatgc tgcagacaat
                                                                      180
                                                                      240
gaaaagcgct ctgctttgca gtctgcagcc tggcagggcc atgtaaaagt ggttcagctt
ctgattgagc atggtgctgt agttgaccat acatgtaacc aaggtgcaac tgcactctgt
                                                                      300
attgcagccc aggaagggca cattgatgtt gttcaggtct tattagagca tggtgctgat
                                                                      360
                                                                      420
ccaaaccatg ctgatcaatt tggacgcact gctatgcgtg ttgcagccaa aaatggacat
                                                                      480
totcagataa ttaaattatt agaaaaatat ggggcatcta gtttgaatgg ctgttcccca
totoctgtto acacaatgga gcaaaaacct ctacagtcat tgtottcaaa agtgcagtca
                                                                      540
ttaacaatta aatcaaatag ctctggtagt actggtggag gggatatgca gccttcgtta
                                                                      600
cgtggtttac ctaatgggcc tactcatgct tttagttctc cttcagaatc tccagattct
                                                                      660
                                                                      720
acagttgacc ggcagaagtc atcactgtca aataattccc tgaaaagctc aaaaaattca
tetttgagaa etaetteate tacageaacg geteaaacag tgecaattga tagettteat
                                                                      780
aacttgtcat ttacagaaca aattcagcag cattcattgc cacgcagtag taagtcgaca
                                                                      840
                                                                      900
gtcaattgtt tececatett ecacaacaca gtéettagga cagagteata atteaceaag
                                                                      960
tagtgaattt gagtggagtc aagtaaagcc cagtttgaag tcaactaaag caagtaaagg
ggggaaatca gaaaattetg ccaagtetgg atcagetggg aaaaaagega aacaaagtaa
                                                                     1020
ttcttcacag ccaaaggttt tagaatatga aatgactcag tttgatagaa gaggacctat
                                                                     1080
agecaaatee gggaetgetg caccacctaa acaaatgeca geagaatete aatgeaaaat
                                                                     1140
tatgatacct tcagctcagc aggaaattgg tcgatctcaa cagcagtttc ttattcacca
                                                                     1200
acaaagtggg gaacagaaga agagaaatgg aataatgaca aatccaaatt atcatcttca
                                                                     1260
gagcaaccag gtttttcttg gtagggtttc agtcccacga acaatgcaag atagagggca
                                                                     1320
tcaggaagtg ttggagggat accettecte agagacagaa ttaageetta aacaagetet
                                                                     1380
                                                                     .1440
gaagetteag attgaaggtt etgaceetag etteaactat aaaaaggaaa caccattata
                                                                     1500
aaagtttcct attcttgtga aacaagaaga cattgtgatg ggagtggttc ttcagctact
                                                                     1560
ggatgggaaa catatgcctg ttgatttgct gaaaaaaacca aaaaaaatga agaatgtgat
cttctggcag tacagttacc ttaattactg taatgtgccc taaatagtaa ggctgccctt
                                                                     1620
ctcaatgtaa ccctctgtgc ttaaaaaatt tcattttgtg tgctttgtat tcactacaca
                                                                     1680
ggaataagca ctttttaaaa atgcagatac atactgcagt tccctgataa aagctgaaaa
                                                                     1740
gaaaatttga gtattttaag ttaaaattgt gataaaaaaa tgtgcatgtg ccataatcaa
                                                                     1800
                                                                     1860
atatatatga aaaggcagtg ttccttgtat ttattttttt ttctttttgt ggcaaaagaa
acttaaacat actgittcag tcacattgca tigtagigta tggcctgitt citgiatcit
                                                                     1920
                                                                     1958
taaagacgtt gctcaataaa acaaatcttg caactgta
```

```
<210> 1726
<211> 1466
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (3)...(1244)
<223> similar to gi3929219 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1726
tggacttgtg gcaattcact cctcttcatg aggcagcttc taagaacagg gttgaagtat
                                                                       60
                                                                      120
gttctcttct cttaagttat ggggcagacc caacactgct caattgtcac aataaaagtg
                                                                      180
ctatagactt ggctcccaca ccacagttaa aagaaagatt agcatatgaa tttaaaggcc
                                                                      240
actogttgct gcaagctgca cgagaagctg atgttactcg aatcaaaaaa catctctctc
tggaaatggt gaatttcaag catcetcaaa cacatgaaac agcattgcat tgtgetgetg
                                                                      300:
catctccata tcccaaaaga aagcaaatat gtgaactgtt gctaagaaaa ggagcaaaca
                                                                      360
                                                                      420
tcaatgaaaa gactaaagaa ttcttgactc ctctgcacgt ggcatctgag aaagctcata
                                                                      480
atgatgttgt tgaagtagtg gtgaaacatg aagcaaaggt taatgctctg gataatcttg
                                                                      540
qtcagacttc tctacacaga gctgcatatt gtggtcatct acaaacctgc cgcctactcc
tgagctatgg gtgtgatcct aacattatat cccttcaggg ctttactgct ttacagatgg
                                                                      600
gaaatgaaaa tgtacagcaa ctcctccaag agggtatctc attaggtaat tcagaggcag
                                                                      660
acagacaatt gctggaagct gcaaaggctg gagatgtcga aactgtaaaa aaactgtgta
                                                                      720
                                                                      780
ctqttcagag tgtcaactgc agagacattg aagggcgtca gtctacacca cttcattttg
cagctgggta taacagagtg tccgtggtgg aatatctgct acagcatgga gctgatgtgc
                                                                      840
                                                                      900
atgctaaaga taaaggaggc cttgtacctt tgcacaatgc atgttcttat ggacattatg
aagttgcaga acttcttgtt aaacatggag cagtagttaa tgtagctgat ttatggaaat
                                                                      960
ttacaccttt acatgaagca gcagcaaaag gaaaatatga aatttgcaaa cttctgctcc
                                                                     1020
agcatggtgc agaccctaca aaaaaaaaca gggatggaaa tactcctttg gatcttgtta
                                                                     1080
aagatggaga tacagatatt caagatctgc ttaggggaga tgcagctttg ctagatgctg
                                                                     1140
                                                                     1200
ccaagaaggg ttgtttagcc agagtgaaga agttgtcttc tcctgataat gtaaattgcc
                                                                     1260
gcgataccca aggcagacat tcaacacctt tacatttagc aggtaagtga atgaagtttc
                                                                     1320
acagatttag gctggtaata tctgagattc attttaccca ggtaaaatat tttctgtaac
taaactttaa aaattcaaat caggccaagc atggtggctc acacttgtaa tcccaacact
                                                                     1380
ttatgagget aaggeaggag gattgettga geecaggaat ttgagageag eetgggeaae
                                                                     1440
                                                                     1466
atggcaaaac cacacctcta taaaaa
```

```
<210> 1727
<211> 599
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6) ... (602)
<223> similar to gi5821434 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1727
ggcacgagct ggaagaatcc tccaataatc taacccagtt ccagactgta gaggcccaat

60

```
tgaaacagtg gcttgtggaa aaagaactta tggtcagtgt tcttgggccc ttgtcaattg
                                                                      120
acccaaatat gctaaacaca caaaggcagc aggtgcagat tttgctgcaa gaattcgcca
                                                                      180
                                                                      240
ctcggaaacc tcaatatgaa cagctgacag cagctggtca gggcattctg agcaggcctg
gagaagaccc ttctttacat gggattgtga aagagcaact ggcagctgtg acccaaaaat
                                                                      300
gggatagcct aacagggcaa ttgagtgaca gatgtgactg gattgaccaa gccattgtta
                                                                      360
aaagcacaca gtatcaaagc ctgctgagaa gcctttctga taaactgagt gacttggata
                                                                      420
ataaactcag cagcagtctg gctgtgagca cgcaccctga tgctatgaac caacagttgg
                                                                      480
                                                                      540
aaacaqccca aaaaatgaag caggagatac agcaggaaaa gaagcagata aaagtggccc
                                                                      599
aggcactctg tgaggatttg tcagcactgg ttaaagaaga gtacttgaaa gcagaactt
```

```
<210> 1728
<211> 1711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (993)...(632)
<223> similar to gi5824429 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1728
                                                                       60
ttttttttt tagaaattag aatactttat tataaatatt ttcagaatat aaactgattt
tgtatcaaga cctctttgaa actttagaaa ctttatgtaa cctaagatca taatatattt
                                                                      120
cattttccac tttccagcct agaaaataca ctgcaagtta gatctaataa aggagaaaaa
                                                                      180
aattgcttca cagagaaaaa ccaatgaaca taaaataccc aactcaaaac tataacaaac
                                                                      240
                                                                      300
ccaatcaaga aacagattgt gcaaaggtca ttaatcctcc aatttaaaat aaataacctc
ccaacagaaa atatttccac catcaaagca atttgatgaa taaaagcaga gtcactttca
                                                                      360
                                                                      420
ttaaaggaaa ttacactata tgttcaaaaa atgtaataat gcttttagaa aatgaggaaa
                                                                      480
agcaagcaat ttctgtgttg gagagcaagc atgctaaaca ctttgtttac taggcctttg
                                                                      540
ttagaagtta aagaacctat tcacataaga aaagtggtat gaacacggat atcataaaac
caagetetea eetattitti caattaaet tigggagaae caaetitgaa agetteaaaa
                                                                      600
                                                                      660
tecaagaata gactggteec aaagcattte etectetgte etttettgge ettgtteett
                                                                      720
tttctttttt gtacgcttac gttcctcttt cttagagact acatctcggc tttttttctc
                                                                      780
ctttcgattc ttaagctttt ctgtactgac atgtacggtt tctatttcca cctctgtttt
                                                                      840
ctttctttgg atgctcttgt gtttgtctaa gtcaatttcc tcgcagcttt tttttctctt
atgcttagac cgctcctcct ctgatttttc tctgccttcc tctgggtgcc ttttcctctt
                                                                      900
                                                                      960
ctgatgtatc tgtttgtgac tggcttgatg agtactggta ctgttatctg aggagaagtg
                                                                     1020
cttgtaaact ctatgttcta caccatgtga gccacaaata tattcttgtt gattaaagtt
                                                                     1080
caggggtact ggtttttctg agaaacagtc cctcgtgaac tgacagtagc tcagagagtc
tagtctcaat ctgctgtcat gggctggtaa ccactgaggc aaccgatttt ccactgtttg
                                                                     1140
                                                                     1200
tggaatattg catgatcttg ggtaggtctg gatggtttca gatgggagtc tctggtcaaa
                                                                     1260
cattctatac gtgggtctgg aattaacctc tcctttgtac ccacaggttt ccaaatagtc
ccctttcatc tttctgaaac aagtctttgg ctctaagcct ctggctttct gtactttaat
                                                                     1320
                                                                     1380
ataatettea agtteatett gaaaagagte atatgtette tttgaatget teattaggtt
                                                                     1440
gacaaaacgg gattttcctt atcaggctga gaatttggtg gagaaatctg atcatattca
                                                                     1500
ctcagttttt cagcatgaat tttcaaatag tgagactaca caataactgg tgagctcata
                                                                     1560
atgcaaaatc ctttgttatt tgaactgtaa cactactcca cagacatctt ttataaaagg
                                                                     1620
tatctgtaaa caaagttcag tctttgttca ttcaatgtgg tatcttctct gaggcagggg
cgggcgtcta caactactgt cccccacccc gccaacgccg ccagccaggg gataagccgc
                                                                     1680
```

```
<210> 1729
<211> 762
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2) . . . (764)
<223> similar to gi1212992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## <400> 1729 atccaacctg aaacctggag tcaattacta cttccgggta tctgctgtaa actgtgctgg acaaggagaa cetatagaaa tgaatgaace tgtacaaget aaagatatae ttgaggcace 120 agagattgac ctggatgtgg ctctcagaac ttctgttatt gccaaagctg gtgaagatgt 180 acaagtgttg attoccttta aaggcagacc tocacctact gtcacatgga gaaaagatga 240 gaagaatett ggeagtgatg ceagataeag eattgaaaae aetgatteat eeteattaet 300 caccatteet caagttacte geaatgatae aggaaaatat atteteacaa tacaacatgg 360 agttggtgaa cctaagtctt caactgtgag tgttaaagtg cttgacacac cagctgcctg 420 480 ccagaaacta caggttaaac atgtttctcg aggcacagtc actttgctct gggatcctcc teteattgat ggaggatete caataattaa ttatgteatt gaaaagagag atgeeaceaa 540 600 gagaacatgg tetgtegtgt cacacaaatg ttetageaca teetteaage taatagattt gtcggagaag actccattct tcttcagagt tcttgcagaa aatgaaattg gaattgggga 660 720 accetgigaa actacagage cagigaagge tgetgaagta ceageteeta taegigatet-762 ctcaatgaaa gactcaacaa agacatctgt catcctcagc tg

```
<210> 1730
<211> 844
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(847)
<223> similar to gil017427 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1730
cttctcagag gtgtaatata actacgactg aaaaatcggc aatcctggaa attccaagta 60
gcacagtaga ggatgcagga caatacaact gctacattga aaatgcctct ggaaaagatt 120
cctgttcagc acaaatactc atactagaac caccgtattt tgtcaagcag ttggagccgg 180
```

```
ttaaggtgtc tgttggagat tctgcctctc tacaatgcca gcttgctgga acccctgaaa
ttggggtatc ctggtataaa ggagatacaa aattgagacc cactacgact tacaaaatgc
                                                                      300
                                                                      360
attttaggaa taatgttgct acactggttt tcaaccaggt tgatattaat gatagtggag
                                                                      420
aatatatctg caaagctgaa aacagcgtgg gagaagtttc tgcatcaact ttccttaccg
                                                                      480
ttcaagagca aaaacttcca ccatcatttt ctcgacaatt gagagatgtt caaggaacag
ttggactgcc agttgttttt gattgtgcca taagtggatc agaacctatc tccgtgtctt
                                                                      540
                                                                      600
ggtataaaga cggcaagcca ttgaaagaca gcccaaatgt acaaacatca tttttagaca
                                                                      660
atacagccac actcaatatt tttaaaactg accggagcct tgcaggccag tattcctgca
                                                                      720
caqctacaaa ccctataggc tctgcttctt ccagtgccag gctcattctc acagagggga
                                                                      780
agaacccacc cttctttgac atccgtcttg cccctgtgga tgctgtggtg ggagaaagtg
ctgactttga gtgccacgtc acgggcacac aaccgataaa ggtcagctgg gccaaagaca
                                                                      840
                                                                      844
gcat
```

```
<210> 1731
<211> 1404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (110)...(1061)
<223> similar to gi3874886 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400>, 1731
                                                                       60
gegecacgeg eggectggeg geggeggeca etetaaceag egeaaaatgt eeetggaaca
                                                                      120
ggaggaggaa acgcaacctg ggcggctcct aggacgcaga gacgccgtcc ccgccttcat
tgagcccaac gtgcgcttct ggatcaccga gcgccaatcc tttattcgac gatttcttca
                                                                      180
                                                                      240
atggacagaa ttattagatc ctacaaatgt gttcatttca gttgaaagta tagaaaactc
                                                                      300
gaggcaacta ttgtgcacaa atgaagatgt ttccagccct gcctcggcgg accaaaggat
                                                                      360
acaggaaget tggaagegga gtettgeaac agtgeateee gacageagea acetgateee
caagettttt egacetgeag egtteetgee ttteatggeg eccaeggtat ttttgteaat
                                                                      420
                                                                      480
gacgecactg aaagggatea agteegtgat tttaceteag gtttteetet gtgeetacat
                                                                      540
ggcagcgttc aacagcatca atggaaacag aagttacact tgtaagccac tagaaagatc
attactaatg gegggageeg tigetiette aactitetta ggagtaatee éteagiitgt
                                                                      600
                                                                      660
ccagatgaag tatggcctga ctggcccttg gattaaaaga ctcttacctg tgatcttcct
                                                                      720
cgtgcaagcc agtggaatga atgtctacat gtcccgaagt cttgaatcca ttaaggggat
                                                                      780
tgcggtcatg gacaaggaag gcaatgtcct gggtcattcc agaattgctg ggacaaaggc
                                                                      840
tgttagagaa acgctagcat ccagaatagt gctgtttggg acctcagctc tgattcctga
                                                                      900
agtottcaco tactttttta aaaggaccca gtatttcagg aaaaacccag ggtcattgtg
                                                                      960
gattttgaaa ctgtcttgta ctgtcctggc aatgggactg atggtgccat tttcttttag
tatatttcca cagattggac agatacagta ctgtagtctt gaagagaaaa ttcagtctcc
                                                                     1020
aacagaagaa acagaaatct tttatcacag aggggtgtag gccgtgagtt ttaggtgaat
                                                                     1080
ttatgtggtt ccctgcttga aaaccttccc cctctcccag gttcggttta gagaactttg
                                                                     1140
                                                                     1200
cccacaggtc ttctggggac cccagaggtg tctgtgctga caaggcgact tcagattcca
tactgagatc gttcccaggc tggcgtctct ggggttttta aggctggctg gagaagacag
                                                                     1260
                                                                     1320
tgggaagggt geceegtetg acaeceetgg ggttgetgag ggaaeggttg gagtggggat
                                                                     1380
cggcctgcga aaggatactg tgaaatcact aattaactaa taaacctgtc tcaagttgag
                                                                     1404
gatttgaaga aaaaaaaaa aaag
```

```
<210> 1732
    <211> 562
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (9)...(565)
     <223> similar to gi312142 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 1732
                                                                       60
cccacgcgtc cgggagattg gaagtcttct ataacgggac ctggggcagc gtcggcagga
                                                                      120
ggaacatcac cacagccata gcaggcattg tgtgcaggca gctgggctgt ggggagaatg
gagttgtcag cctcgcccct ttatctaaga caggctctgg tttcatgtgg gtggatgaca
                                                                      180
                                                                      240
ttcagtgtcc taaaacgcat atctccatat ggcagtgcct gtctgcccca tgggagcgaa
gaatctccag cccagcagaa gagacctgga tcacatgtga agatagaata agagtgcgtg
                                                                      300
gaggagacac cgagtgctct gggagagtgg agatctggca cgcaggctcc tggggcacag
                                                                      360
                                                                      420
tgtgtgatga ctcctgggac ctggccgagg cggaagtggt gtgtcagcag ctgggctgtg
                                                                      480
getetgetet ggetgeeetg agggaegett egtttggeea gggaaetgga accatetggt
                                                                      540
tggatgacat gcggtgcaaa ggaaatgagt catttctatg ggactgtcac gccaaaccct
                                                                      562
ggggacagag tgactgtgga ca
     <210> 1733
     <211> 489
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (79)...(490)
     <223> similar to gi5019275 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1733
                                                                        60
cccacgcgtc cgcccacgcg tccgccctcc ctgacttttc cagcctttca ctttaacttc
ctggagetet aattteteet teteagatea geateeceag aacacacetg tgttaagtea
                                                                       120
aagacettgg acceaatggt catettette accagtggga ccacaggett ccccaagatg
                                                                       180
gcaaaacact cccatgggtt ggccttacaa ccctccttcc caggaagtag gaaattacgg
                                                                       240
```

300 360

420

480

agcctgaaga catctgatgt ctcctggtgc ctgtcggact caggatggat tgtggctacc

atttggaccc tggtagaacc atggacagcg ggttgtacag tctttatcca ccatctgcca

cagtttgaca ccaaggtcat catacagaca ttggtgaaat accccattaa ccacttttgg ggggtatcat ctatatatcg aatgattctg cagcaggatt tcaccagcat caggttccct

```
<210> 1734
    <211> 738
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc feature
    <222> (3)...(483)
    <223> similar to gi3327168 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 1734
cttggtatgt ggtgcccca gaacatggcc agcgcctgga acgcctggcc agggagctct
                                                                       60
teccaggeag tteccggggt tgtggggeet tectgeggea caaggtggee eteatetege
                                                                      120
ctacagttct caaggaaaat gggattccct tcaatcgcat aactcaggag gctggagagt
                                                                      180
tcatggtgac ctttccctat ggctaccatg ctggcttcaa ccatggtttc aactgcgcag
                                                                      240
                                                                      300
aggecateaa ttttgccact cegegatgga ttgattatgg caaaatggee teecagtgta
gctgtgggga ggcaagggtg accttttcca tggatgcctt cgtgcgcatc ctgcaacctg
                                                                      360
aacgctatga cctgtggaaa cgtgggcaag accgggcagt tgtggaccac atggagccca
                                                                      420
gggtaccagc cagccaagag ctgagcaccc agaaggaagt ccagttaccc aggagagcag
                                                                      480
cgctgggcct gagacaactc ccttcccact gggcccggca ttccccttgg cctatggctg
                                                                      540
cccgcagtgg gacacggtgc cacacccttg tgtgctcttc actcccacgc cgatctgcag
                                                                      600
                                                                      660
ttagtggcac tgctacgcag ccccgggctg ctgctgtcca cagetctaag aageccaget
caactccatc atccaccct ggtccatctg cacagattat ccacccggca aaaggcagac
                                                                      720
                                                                      738
gtggtcgggg tcgcctcc
     <210> 1735
     <211> 689
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (6)...(245)
     <223> similar to gi912755 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

```
<400> 1735 \
atacaaacac caaattagaa gtcaagaaaa tccctcagga attgaacaac attaccaagc 60
tcaatgaaca cttcagcaaa tttggaacta ttgttaatat ccaggttgct tttaagggtg 120
acccagaagc agccctaatc caatatctta ccaatgagga ggccaggaaa gccatttcta 180
```

```
gcacagaagc agttctaaac aaccgattca ttcgagtctt gtggcatagg gaaaataatg
                                                                      240
                                                                      300
agcaaccgac actacagtcc tcagcacagc tgctcctgca acaacagcaa acacttagtc
                                                                      360
accteteaca geageaceat cacetgeeac ageatetaca teageageag gtgetagtgg
cccagtctgc tccttcaaca gtgcacggag gtatccagaa gatgatgagc aaaccacaga
                                                                      420
catcaggtgc atatgttctt aacaaagttc ctgttaaaca tcgtcttgga catgcaggtg
                                                                      480
                                                                      540
gtaaccagag tgatgcatca catttgttga atcagtctgg tggtgctgga gaagattgcc
agatattttc aactccaggc catccaaaaa tgatttacag ctcctcaaac ttaaagacac
                                                                      600
cttcaaagct ctgttcaggg tctaaatctc atgatgttca agaagtgctt aaaaaaaaac
                                                                      660
                                                                      689
aggaagcaat gaagttacaa caagatatg
```

```
tatgaatgta aggaatgtgg gaaggtattc tttttttcct tttcccttcg gagacatgaa 60
aggacacaca ctgggaaact ctgtgaatgt aaacagcatg ggaaaggatt ttttcataga 120
agctgtccta gacacatgaa gatagacact ggagagatac ttcataaacg taagatacgt 180
ggaaaagtct ttcattctcc tagttcattt caaacatgtg aaagatctca cactagagaa 240
aaacgctata aatgcaagca atgtggaaaa cccttcattt atttcaatgc ctttcaacgt 300
catcaaagga gccacactgg agagaacccc tatgagtgta agcaatgtgg gaaagcctgt 360
atttcttcca ctgcttttca gtg
```

```
<210> 1737
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (294)...(520)
<223> similar to gi458399 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1737 catcccctt cattcaatcc tgtagcaact ggcagtgaca agtggtgccc aggacaggga

```
catgagcaaa gaaggtctgc tggagcagag aaagtgaaac tgaccagatg agcaagaaac
                                                                      120
cttgggacaa gtctactggc agctaatata agcacatacc aaggttacca gcactcgggg
                                                                      180
aagcaaggac ggaagaagaa aagaggatgc tettteteee teatgtaeee caggtatetg
                                                                      240
ctagaaagag aagagaacta gggacacctg ccaccctctt cctaggttct gtggatggaa
                                                                      300
agagaccaaa tactttagca tccaatactc agctgtacaa gtggatatcc cagaatgacc
                                                                      360
ttcttggtca tccaaaaact aaatctttta tgactcatgg ggaaaccagt ggcatctatg
                                                                      420
aggcaatcta ccatgggatc cctatggtgg gcattccttt gtttgcagat caacctgata
                                                                      480
                                                                      517
acattgctca catgaaggcc ctcaatgtgg acatcag
```

```
<210> 1738
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(149)
<223> similar to gi189036 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1738
                                                                       60
caggectget geaggggeta cetggecagg aaageatttg eeaageggea geageagett
                                                                      120
accgccatga aggtcctcca gcggaactgc gctgcctacc tgaagctgcg gaactggcag
tggaggcggc tcttcaccaa ggtgcgtgct aagaagggcc tcctgagtag ctgggactac
                                                                      180
gggtgcacac caccatacat acctggctaa ttgtttgtat tttttgtagg aggtgtggtc
                                                                      240
                                                                      300
tcaccatgtt cgcccaggtt ggttcacaaa ctcttggggc tccagcaatc ctccttacct
                                                                      360
tcagccttcc caaagtgctg ggaattacag ggcatggagc cactggtggc ccggcccttt
ttgcattttt agtaggagac aaggtcttca ctatttttgc ccaggttgac ctttcctggg
                                                                      420
                                                                      421
g
```

```
<210> 1739
<211> 541
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(513)
<223> similar to gi1212992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1739
catgggctca gcctcagcca ccatcagagt acagatcctt gacaaaccag gcccacctgg

```
aggaccaatt gaatttaaga ctgtaactgc tgagaagatc accettetet ggeggeetee
                                                                      120
                                                                      180
agetgatgat ggtggtgcaa aaateactea etacattgtg gaaaagegtg agacaageeg
cgttgtgtgg tctatggtgt ctgaacattt ggaagagtgc atcattacaa ccaccaaaat
                                                                      240
tatcaaagga aatgaataca tcttccgggt ccgagccgtg aacaaatatg gaattggcga
                                                                      300
                                                                      360
gccactggaa tctgattccg ttgtagccaa gaacgcattt gttacacctg ggccaccagg
                                                                      420
cataccagaa gtgacaaaga ttaccaagaa ttcgatgact gttgtatgga gcaggccaat
                                                                      480
tgcagatggc ggtagtgata taagtggcta tttccttgaa aaacgagaca agaagagcct
aggatggttt aaagtactaa aagagacgat cctggaagct gggcttcgga agcgtccagc
                                                                      540
                                                                      541
```

```
<210> 1740
<211> 333
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (3) ... (330)
<223> similar to gi1439625 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 1740					
agctgacgtg gtctgcctgt	tattggagag	atatattaag	aatccagttg	tggattgcag	60
ctgatattct tttgcgaatg	cttgaaaaag	cacttcttta	tagtgaacac	cagaacatca	120
gcaacactgg actgtcatcc					180
agaggacgtt ggctcgcctt					240.
ctcatttagg aacaggcatg					300
caaatgctga aagcgtgatt				•	333

```
<210> 1741
<211> 358
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (107)...(360)
<223> similar to gi38522 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1741
gtgcagtgtc cctttagcag tcattaactc acagtgagtt atcaatgggt gttagttctc 60
tgtgggtctg acaacttagt atagtgaaaa gagtgctggc ctgtggctga acatgctgga 120
```

```
gaagagettg cetggceaca gggacacage cacgeagate cagcatgtgt etcecatgtg 180 ceaagtggag eececageca agaaggeage cacactagea gagggtgaca aggacaatga 240 cattgacetg tttgtcageg acaatgagga ggaagacaag gaggcageee ggetgtggga 300 gaagtggetg aggtggtatg tggagaagaa ggecaagaag actgegttgg tggtcaag 358
```

```
<210> 1742
<211> 1552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (756)...(1525)
<223> similar to gi1747 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	1742					
atgaaccatc	caaatctgtt	aatcaagata	cctgtagtcc	ttttccaggg	atgctctttg	60
		tattcagaga				120
		gaggagcaag				180
		ccctgagaaa				240
		tagactaaag				300
		acccagaata				360
		cccatcagtt				420
		cccttggtga				480
		cctttggcta				540
		aatactttcg				600
tgatgggcgt	acagcctgca	gcttatgtta	gtgctcctgt	cacccaccaa	ctagcacaac	660
		cagaatgaac				720
caggattgat	ttttgaagat	aaaccgaaac	cttccaaaca	gttacttcag	tcttaccaag	780
		cgggaaagag				840
aagaagaata	tgaagctaaa	ttagaagctg	aaatgagaac	atataatccc	tggggaaaag	900
gtggaggtgg	tgctcctctc	agggatgcaa	aaggaaatct	gataactgat	ttgaatagga	960
		gcctaccata				1020
gggctgttgt	atctctagac	ccaaatttäg	ccacttcaaa	tgctgagaac	ctagaagatg	1080
ctgcaaataa	aagctcaggt	catatgcaaa	cacagagete	tccttttgct	cggggaaatg	1140
tatttggtga	gcctccaact	gaacttcaga	ttaaacagca	agaattatac	aagaattttc	1200
ttcgtttcca	gattgaggaa	aagaaacaaa	gagaggaagc	agagcgagag	agactgagaa	1260
ttgcagaaga	aaaagaagaa	agacggcttg	cagaacagag	ggcacgaatt	cagcaggagt	1320
atgaagagga	acaggaaaag	aaaagagaga	aagaggagga	gcaaaggcta	aaaaatgaag	1380
agcatattcg	gttagctgaa	gaaagacaaa	aagaagcaga	aagaaagaag	aaagaagaag	1440
aagaaaaata	taacctgcaa	cttcagcact	actgtgaaag	agacaatttg	attggggaag	1500
		ccttctccta				1552

<210> 1743 <211> 594

```
<212> DNA
     <213> Homo sapiens
    <220>
     <221> misc_feature
     <222> (1)...(595)
     \langle 223 \rangle n = a,t,c or g
     <220>
     <221> misc feature
     <222> (115)...(594)
     <223> similar to gi3876101 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1743
                                                                       - 60
ggcacgaggt gcgtccctga tcttattacc tgctaaaggg cctatgcttt atgctaaatc
aaaattcccc ttaatcatca atgctaaaac ctttttttac ttttaatctt acttaaagat
                                                                       120
teettattag caagettget ggatggagta agageetetg gtaatagaga tgtttgtgea
                                                                       180
                                                                       240
aaaatgacac caacccataa aggtcagega tgggggttac tcatcatgcc tgttgatgag
gaagtagaga geetteacet caggttetta getacgeete caaatggeaa etttgeagat
                                                                       300
gctgtattca ggatcaatgc taatatttca tacagtggag tcctacatgc agtaacacaa
                                                                       360
                                                                       420
gatggtetet teteagaaaa caaagaaaaa etgateaata atgeeataae ageattaetg
teccaagaag gggatgtegt tgetteaaat geegaacttg agagteagtt ecaggetgtg
                                                                       480
aggaggettg tggcatecaa agetggttte etggetttea eteagettee aaagtttege
                                                                       540
gagcgtctag nggtgaaggt agaaaaagca ctcaaaagag caacaacgga tatt
                                                                       594
     <210> 1744
     <211> 1269
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (16) ... (1270)
     <223> similar to gill36422 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1744
gcgcccacgc gtccggtctt tcccacactg caggatctgt cttcttctaa agaaccttct
                                                                        60
                                                                       120
aattccctaa acttacctca cagtaatgag ctgtgttcat cccttgtgca tcccgaattg
                                                                       180
agtgaggtca gttctaacgt tgcaccaagc atccctccag taatgtcaag acctgttagc
                                                                       240
tetteeteea titteeaetee ettgeeeeea aateaaataa etgtatitgt eaetteeaat
cccatcacaa cttcagctaa cacatcagca gctttgccaa ctcacttgca gtctgcattg
                                                                       300
atgtcaacag ttgtcacaat gcccaatgcg ggtagcaagg ttatggtttc tgagggacag
                                                                       360
                                                                       420
tragetgete agtetaatge reggeeteag tteattacae etgtetttat caatteatee
tcaataattc aggttatgaa aggatcacag ccaagcacaa ttcctgcagc cccactgaca
                                                                       480
                                                                       540
accaactetg geetgatgee tecetetgtt geagttgttg geeetttaca cataceteag
```

```
aacataaaat tttcttctgc tcctgtaccg cctaatgccc tctccagtag tcctgctcca
                                                                      600
aacatccaga caggtcgacc tttggtcctt agctcacgag ccacccctgt tcagcttcct
                                                                      660
                                                                     720
tececteett gtacgtette tecagttgte cetteteate eccetgtgea geaagtgaaa
                                                                      780
gaattgaatc cagatgaggc tagccctcag gtgaacacct cagcagatca gaacactctt
coctetteac agteaaceae aatggtttet cocettttga ccaatagtee agggteetet
                                                                      840
ggcaaccggc gaagcccagt ctcgtctagt aagggcaaag gaaaagtgga caaaattggc
                                                                      900
                                                                      960
caaattttgt tgaccaaggc atgtaagaaa gttacaggct ctcttgagaa aggggaagaa
caatatggtg cagatggaga gactgaaggc caagggctag acaccacagc tccggggctc
                                                                     1020
atgggaacag agcagttatc cacagagetg gacagtaaaa ceccaaegee eecagcaeee
                                                                     1080 -
                                                                     1140
actotgotaa aaatgacoto tagodotgtg ggooogggca otgootcago aggacocago
ttacctggcg gtgctctccc caccagtgta cgctcgatag taaccactct ggtaccctcc
                                                                     1200
gageteatet eegeegtace gaccacaaaa agcaateatg gtggcatage atetgagtea
                                                                     1260
                                                                     1269
cttgcgggg
```

```
<210> 1745
<211> 1276
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)...(1158)
<223> similar to gi2649562 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1745
tctacagcag ggtatacagg aacgagacag tcaaattaag atgctcaccg aacaagtaga
                                                                    60
acaatataca aaagaaatgg aaaagaatac ttgtattatt gaagatttga aaaatgagct
                                                                   120
ccaaagaaac aaaggtgctt caaccctttc tcaacagact catatgaaaa ttcagtcaac
                                                                   180
                                                                   240
gttagacatt ttaaaagaga aaactaaaga ggctgagaga acagctgaac tggctgaggc
                                                                   300
tgatgctagg gaaaaggata aagaattagt tgaggctctg aagaggttaa aagattatga
                                                                   360
atcgggagta tatggtttag aagatgctgt cgttgaaata aagaattgta aaaaccaaat
                                                                   420
480
gatcagtgat ttoottgatg aaaatgaggc acttagagag cgtgtgggcc ttgaaccaaa
                                                                   540
gacaatgatt gatttaactg aatttagaaa tagcaaacac ttaaaacagc agcagtacag
                                                                   600
agctgaaaac cagattcttt tgaaagagat tgaaagtcta gaggaagaac gacttgatct
                                                                   660
gaaaaaaaaa attcgtcaaa tggctcaaga aagaggaaaa agaagtgcaa cttcaggatt
                                                                   720
aaccactgag gacctgaacc taactgaaaa cattteteaa ggagatagaa taagtgaaag
                                                                   780
aaaattggat ttattgagcc tcaaaaatat gagtgaagca caatcaaaga atgaatttct
                                                                   840
ttcaagagaa ctaattgaaa aagaaagaga tttagaaagg agtaggacag tgatagccaa
                                                                   900
atttcagaat aaattaaaag aattagttga agaaaataag caacttgaag aaggtatgaa
agaaatattg caagcaatta aggaaatgca gaaagatcct gatgttaaag gaggagaaac
                                                                   960
                                                                  1020
atctctaatt atccctagcc ttgaaagact agttaatgct atagaatcaa agaatgcaga
                                                                  1080
aggaatettt gatgegagte tgeatttgaa ageceaagtt gateagetta eeggaagaaa
tgaagaatta agacaggagc tcagggaatc tcggaaagag gctataaatt attcacagca
                                                                  1140
                                                                  1200
gttggcaaaa gctaatttaa agatagacca tcttgaaaaa gaaactagtc ttttacgaca
                                                                  1260
atcagaagga tcgaatgttg tttttaaagg aattgactta cctgatggga tagccccatc
                                                                  1276
tagtgccagt atcatt
```

```
<210> 1746
<211> 951
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(952)
<223> similar to gi5262588 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1746 ggaggcagga gggtactaac ctccgaagcc agactctgtt atgtgtgctc agggagtgtg 60 gageggetgg tggagtgetg ggeaaaatge caccaggett tgtcccccat ggetetgcag 120 180 gacctgatgg agaaggtgat ggttcttaac aggagcttgg agcaactgcg gggtcctcat 240 ggggtgagcc caggccctgc cacaacctac agggtcactc agtatgccaa cctcctggca 300 geccagggea geetggeeac tgecatgage tttetaceca gggaetgtge teagecacea 360 gttcagcage taagagateg gettttteat getcaaggtt etgetgtett gggecaacag 420 totocccott toccottocc coggattgtt gtgggagota coctocacto taaagagaca 480 tcatcttaca gattgggatc ccagcettet caccaggtec caactecate tecaaggeca 540 agggttttca cccctcagtc atcaccagcg atgcccttgg caccttccca tcctagccct 600 tatcagggtc ccaggacaca gaatataagt gactacaggg cacctgggcc ccaggccatc 660 cagcetttge etttgageee tggggtaagg eetggacete aagatteetg gaaagaagee ccagccccca ggggaaacct ccagaggaac aagctgccag agacatttat gcccccagca 720 780 ccaattactg ctccagttat gagcctcacc cctgagctac aagggattet tccctcacag 840 ccccctgtct ccagtgtgag tcatgctccc ccaggagttc caggagaact cagcctgcag 900 cttcagcacc tgccacctga gaagatggaa aggaaggagc tgcccccaga gcatcagtcc 951 ttgaagagca gctttgaggc gcttctccaa cgctgctccc tgtctgcaac t

```
<210> 1747
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (210)...(417)
<223> similar to gi2734081 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1747
gcgagcatgc atcacatcag aagggctcat tgccttcatg aacgacaatc gagtggttag
aaccaaagat atgtttatca aaccactata aaaatggagc tgaccagccc tttgcaactg
atcagagtaa gccggtggca gtcccagaag agcagcctgt tgcagaatct ggactattag
120
180
```

aggatgacct ttaagctggg	gggagctgta catggattta	gaagaacaac acaagagtgg	gtagtgtcat tgcttcctac	ggatacatgt cctacatctc atttatccta cctatttata	ttgtcacagc gagaagcgtt	240 300 360 414
,						
					•	
<210>					•	
<211>						
	Homo sapie	ns				
1220						
<220>				•		
	misc_featu		-	•		
	(5)(136 similar to		in the gene	pept databa	se release 11	4,
		Y 3.3t00, d				
		F	· .		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	
		•				
<400>						•
tttttttt	gagatggagt	ctcgctctgc	tgcccaggct	ggagtgcagt	ggtgcaatct	60
tggctcactg tagctgggac		ctcccaggtt	cacgccattc	teetgeetea	gcctcccgag	120 134
Lagetgggae	tata	•			•	
•						٠٠.
,		•	•			
<210>	1749		. *			
<211>	12				•	
<212>						*
<213>	Homo sapie	ns ·	•			
<220>						
	misc_featu	re				
<222>	(1)(13)				ao molongo 11	4
		g138/383/ Y 3.3t00, d			se release 11	.4,
	W1011 1110111	3.3000, 4			-	
					· •	
<400>	1749					
gtaaaaaaaa	*	. •		-		12
			į			
	,		•		•	
<210>	1750			-		
<211>						
<212>	DNA					

<213> Homo sapiens

<220>
<221> misc\_feature
<222> (193)...(319)
<223> similar to gi5689515 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 1750 cggacgcgtg ggattttgaa cctaccagca aggaagagag ttgaacaatt tgcccatagt 60 120 catgcagatt taggactgtg ccagagaccc cagcaacctg cttcctagct caggtacctt 180 ccttccaggc tcttgttacc actctcagag tggactccca gatgtggggg agggttttct qaaacttaaa atcatcgagt ttcccttcgt tttctctctt gtgcagcccg atatcagaat 240 gaattagetg gegtagatae egagetgeta geegagagat titaetaeea ageeetgtea. 300 gtagctcctc agattggtaa gttgtcccca acttgggcct ctgaatccag tagggttttc 360 420 ctagggaaga cgatgttgtt gagatggcag gcagttcata ctcattttcc ccagctcctc ttcattctca gctctctcgt acttcacctt gtttatacct tttccctctt gtaacacact 480 504 cagaaaatgg tggaagggga agat

<210> 1751
<211> 839
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (239)...(592)
<223> similar to gi5531827 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 1751 60 cctgagcccg gcgagcagga gaggaggtct tccgggccgc ggcctccgag cgcgcgggat ttgcagaact taatatgaat gtgaagaact tgcaaagaaa cttgaaaaca gccaaaggga 120 180 tggcatatca agaaataaat tggccttggc agaattgtat gaagatgaag tgaagtgcaa 240 atcttccaag tctaatagac ctaaagccac agtcttcaag agcccacgga caccacctca 300 acggttttac tcaagtgaac atgaatacag tggattaaat atagttcgac cttcaactgg 360 gaaaattgtg aatgaacttt tcaaagaggc aagggaacat ggggctgtcc ctctgaatga 420 agccacaaga gcttcaggtg atgataaatc taagtcattt acaggtggag gatacagatt 480 gggtagttet ttttgtaage ggtetgaata tatetatgga gaaaateage tgeaagatgt 540 tcagattttg cttaaactgt ggagcaatgg tttcagttta gatgatggag aattgagacc 600 ttacaatgaa ccaacaaatg ctcaatttct ggagtctgtt aagagagggg tgactctcat 660 tgcatgtatg cctgaaattc agcaacttat gttagaaatc ttttaatgtg gcattactgc 720 tggcagaaga tttcaaaagg ttagtttgaa gttataattt gtgaaagtaa actcagatat 780 tragtgetet carreatera aagaarattg taarttarra getettettg ctaaaggatg 839 aggaatcaag tgattttgct atgataataa aagcttttct gtgttatgat taaaaaaaa

```
<210> 1752
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(417)
<223> similar to gi4966270 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1752
ttgtcacctc attacgccaa gcttggggaa gggaactact tcagtttgat cacgggcagt
                                                                       60
caaatccaac ttactacatc aggetggeta ategtgatet agttetgagg aagaageeee
                                                                      120
cagggacact cettecatet geceatgeca tagagagga gttcaggatt atgaaageee
                                                                      180
ttgcaaatgc tggagtacct gtccctaacg ttcttgatct ctgtgaagat tcaagtgtca
                                                                      240
ttggcacccc cttctatgtg atggagtact gcccaggtct catctacaaa gacccttccc
                                                                      300
tgccaggctt ggagcccagc cacagacgag ccatatacac tgccatgaac acagtcctgt
                                                                      360
gcaaaattca cagtgtggat ctgcaggctg tgggacttga agactatggg aagcaaggct
                                                                      420
cgacaacctg ggtgtttcat ccagaagagc cagaggtgct ttgctgttcc ttgactggga
                                                                      480
                                                                      489
actttctac
```

```
<210> 1753
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(564)
<223> similar to gi488551 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400>. 1753
                                                                       60
tgggaaagac tttcgccacc aacatacact gtttgagcac cagaaaatcc acacagagga
                                                                      120
aaggeettat gagtgeagtg aatgtggeac attgtttagg tacaacteeg acettattaa
                                                                      180
acatcagcga aatcatactg gagaaaggcc ttataagtgt agtgaatgtg gaaaagcctt
cagceteaaa tacaatgttg tteaacacca gaaaatteac actggagaaa ggeettatga
                                                                      240
gtgcagtgaa tgtgggaaag cttttcttag aaagtctcac ctacttcagc accagaggat
                                                                      300
                                                                      .360
tcacaccagg ccaaggcctt atgtgtgtag tgaatgtggg aaggccttcc ttacacaggc
                                                                      420
tcaccttgtt ggtcaccaga aaattcatac tggagaacgg ccttatggat gcaatgaatg
                                                                      480
tgggaaatac tttatgtaca gttcagcact cattagacat cagaaagttc acactggaga
                                                                      540
aaggcctttt tattgctgtg aatgtgggaa attctttatg gacagctgca cactcattat
                                                                      562
tcaccagaga gttcatactg gg
```

```
<210> 1754
<211> 841
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (59)...(828)
<223> similar to gi3878112 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1754 tgtctataac caagaccctg tagttacctc tagatttagg gtgaagctga cactacaggg .60 cctggaggaa gatgacgatg atagggtatc tcccactgta ctccacaaaa tgtccaatag 120 cttggagata tccttaataa gcgacaatga gttcaagtgc aggcattcac agccggagtg 180 tggatatggc ttgcagcctg atcgttggac agagtacagc atacagacga tggaaccaga 240 taacctggaa ctaatctttg attttttcga agaagatctc agtgagcacg tagttcaggg 300 tgatgccctt cctggacatg tgggtacage ttgtctctta tcatccacca ttgctgagag 360 tggaaagagt gctggaattc ttactcttcc catcatgagc agaaattccc ggaaaacaat 420 aggcaaagtg agagttgact atataattat taagccatta ccaggataca gttgtgacat 480 gaaatettea titteeaagt attggaagee aagaatacea tiggatgitg geeategagg 540 tgcaggaaac tctacaacaa ctgcccagct ggctaaagtt caagaaaata ctattgcttc 600 tttaagaaat getgetagte atggtgeage etttgtagaa tttgaegtae acettteaaa 660 720 ggactttgtg cccgtggtat atcatgatct tacctgttgt ttgactatga aaaagaaatt 780 tgatgctgat ccagttgaat tatttgaaat tccagtaaaa gaattaacat ttgaccaact 840 ccagttgtta aagctcactc atgtgactgc actgaaatct aaggatcgga aagaatctgt 841

```
<210> 1755
<211> 1256
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)...(1219)
<223> similar to gi861392 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
240
gacgaagatc ctgaaggttg aggggcaggt tccagatctg ccatcctgcc tgcccctgac
tgacaacacc cgcatgctgg cctctatcct catcaacatg ctctatgatg acctgcgctg
                                                                      300
                                                                      360
tqacccqqaq cgcgatcact tccgcaagat ctgtgaggaa tatatcacgg gcaagtttga
                                                                      420
ccccaqqac atggacaaga acttgaatgc catccagaca gtgtcaggga tcctgcaggg
cccctttgac ctgggcaacc agctgctggg actgaaaggt gtgatggaga tgatggtggc
                                                                      480
                                                                      540
actatgtggc tcagagcgcg agacggacca gctggtggcc gtggaggccc tcatccatgc
ctccacgaag ctcagccgcg ccaccttcat catcaccaat ggagtgtcac tgctcaaaca
                                                                      600
gatctacaag accaccaaaa atgagaagat caagatccgc acactggtgg gactctgtaa
                                                                      660
                                                                      720
gctcggctct gcaggtggca cagactacgg tctcaggcag ttttgcggaag ggtcgacaga
aaaactggcc aaacagtgtc gcaagtggct gtgcaatatg tccatagaca ctcggacccg
                                                                      780
acgctgggca gtggagggcc tggcctacct cacgctggac gctgatgtga aggacgactt
                                                                      840
tgtccaggac gtccctgccc tgcaggccat gtttgagctg gccaagacca gtgacaagac
                                                                      900
catcetgtac teggtggcca ceaccetggt gaactgcace aacagetacg atgtcaagga
                                                                      960
                                                                     1020
ggtcatccca gagettgtee agetegeeaa gttetecaag cageatgtge cegaggaaca
ccccaaggac aagaaggact ttatagacat gcgggtgaag cggcttctga aggcgggtgt
                                                                     1080
                                                                     1140
catctctgcc ctggcttgca tggtgaaagc agatagtgcc atcctcactg accagaccaa
                                                                     1200
ggagetgetg gecagggtat teetggeact gtgtgacaac ccaaaggace gaggeaceat
                                                                     1256
tgtggctcaa ggtggtggca aggccctgat tcccctggct ttggagggca cagatg
```

```
<210> 1756
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(589)
<223> similar to gi3875774 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1756
                                                                       60
actitictaag gcaategite titigititieg actacactic acaaaagata atattacaaa
taatacaqet getgetacag tgegacaagt tgttactgtt gtttttgaga ggatggttge
                                                                      120
tgaagatgaa cgacacagag atattataga acaaccagta ctggtacaag gaaatagtaa
                                                                      180
                                                                      240
caqaaqatct gtcagtaccc tcaaaccttg tgctaaagat gcatatatgc ttttccagga
                                                                      300
tetttqteaq ttqqttaatg etgatgetee ttattggeta gtgggeatga cagaaatgae
teggaegttt ggeetegaat taettgagte agteeteaat gatttteege aggtettttt
                                                                      360
acaacaccaa gaatttagtt teeteeteaa agaaagggta tgteetettg tgataaaget
                                                                      420
                                                                      480
cttttctcca aatataaagt tcagacaagg ttccagcacc tcatcttctc cagcaccagt
                                                                      540
tgaaaaacca tattttccta tctgcatgcg tttgctgaga gtagtatctg ttctgattaa
                                                                      600
gcagttttac agtcttttgg taagtgctaa tttccttatg tatttgtgta tataggtgca
tgttgcgccc tttgtaaaaa gtggtctgtt gcagcgcatt tagttctttc aattcaacc
                                                                      659
```

```
<210> 1757
<211> 1129
<212> DNA
```

```
<221> misc_feature
     <222> (60)...(784)
     <223> similar to gi4008372 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1757
cggacgcgtg ggcggacgcg tgggatcggt ttgtggctga tttcaaagcc caggggccac
                                                                       60
ctaagcccaa cactgatgaa gggggtgccg tgctccccag ctgcgccgac ctctttgtct
                                                                      120
actacaagaa gtgcatggtg caatgctctc agctcagtac tggggagccc atgatcgccc
                                                                      180
                                                                      240
tgaccaccat tttccagaag tacctccgag aatacgcctg gaaaatcctc tctggcaacc
tgcccaaaac cacaaccagc agtggaggac tgactatcag cagcctcctc aaggaaaagg
                                                                      300
                                                                      360
agggeteaga agtageeaag tteactetgg aggagetetg ceteatetgt aacateetga
gcacggcaga gtactgtctg gccaccaccc agcagctaga agaaaaactc aaagaaaaag
                                                                      420
                                                                      480
tggatgtaag tetgattgaa egaateaate tgaetggaga gatggaeaeg tteageaeeg
teatetecag cagtatteag etgetggtte aggatetgga tgetgeetgt gateetgeee
                                                                      540
tgactgccat gagcaagatg cagtggcaga acgtggagca cgttggtgac cagagcccct
                                                                      600
                                                                      660
acgtcacctc tgtcattctg cacatcaagc agaacgtccc catcatccgt gacaacctgg
cttccacacg caagtacttc actcagttct gcgttaaatt tgcaaactcc ttcattccca
                                                                      720
                                                                      780
aattcatcac ccacctcttc aagtgcaagc caattagcat ggtgggagca gaacaggtga
                                                                      840
gatggacgta gtatcaggca tttgcctggc agcttttgtt gtagatcaag cacatattct
                                                                      900
tctagtccag atctacttgg caggaataaa attgatgatg tcccctgttt ggggacagta
taatgactca cccggaaggt ttcttaattc gttcttccat ttatttttaa aaattttgtt
                                                                      960
tgaacgccta ctaagttctg ggtgcagggt ataacacagc aagcaccatg gaaaggtccc
                                                                     1020
                                                                     1080
tggctcctag tgctcacact ccaataagaa gaagtggctg ggcggggcac agcgggcttc
                                                                     1129
acgctgtaaa ccccagcatt tcgggaggcc tgggcaggca gatcacctc
     <210> 1758
     <211> 837
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (162)...(531)
     <223> similar to gi4468812 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1758
                                                                        60
cccacgcgtc cgctggaagc tttaaggacc actgggctaa aaatttgcct ttcctcatag
                                                                      120
aagactacga agagcagcca gggttgcaac cccacataaa agatgtgtta catcagaatt
                                                                      180
ttgagagtta taagcctgaa gtacaggagc tgatttgtgt ggctgatcgt ttgggatccc
                                                                      240
tgatgcaata tgaaacacct ggtttcctgc caaacaagag aatacacaga gctatgggtt
                                                                      300
tggccgcatt ggaggtcatg caagccgtgc agcgtacatg gaccaactcg aaagttcgaa
```

<213> Homo sapiens

<220>

360

tgaatgggaa gacacggttg atgcagtgga gagacatgtt tgacattgca gttaaatgga

```
420
qaaggattgc tgacccagac cagcccgtgc tgtggttaga tcaaatgcca gcacgaagtc
ttagcagagg ttttaacaac cacattaatt taatcagggg tcaggtgatc aacatgagat
                                                                      480
acctagaata ttttgagaaa atacttcatt ttattaaaga cagaattctt gtttatcatg
                                                                      540
                                                                      600
gagctaataa tcctaaagga ttgctggaag ttcgggaagc cctggaaaag gtacacaaag
tagaagacct tottoogatt atgaaggtaa otttagcatc agaatggcag tocatgtttt
                                                                      660
tagaggadaa gaaaaccaac agcacttttt taaaaagaac tcagaattat taaatgctat
                                                                      720
ttgaaatcac tcgtatgaac acattctgaa taataaccaa aataaaagaa cctacaggca
                                                                      780
                                                                      837
tcagactcaa acagaaaaaa caacttgtga ggaagcagtt aatatagaaa aaaaaaa
```

```
<210> 1759
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) . . . (454)
<223> similar to gi3123572 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1759
                                                                       60
attcagctag ccatggttat tgcccgttta tatgaatctg aatttgagac ttcatccact
                                                                      120
tatatatcca tcctaaatca qaaqattttg ggttgccaaa aggatggctc aggattcagt
tgcaaaagat tacatcctga tcctttcctg cgtagtcttg cctattgggt aatgaaagat
                                                                      180
                                                                      240
tacaccegag cettggacae attactggaa caaacaccaa aggaggatga tgaacatcaa
gttatcatca agtcttgtaa cccggtggca tttagttttt ataactacct tcgaactcat
                                                                      300
                                                                      360
cettigetea tiegaagaaa tettigeetee eetgaaggaa ettitggeaac ettaggiete
aaaactgaga agaactttgt tgataaaatt aacctcatag aaagaaaatt attctttacc
                                                                      420
                                                                      453
actgcaaatg ctcattttaa agttggatgc cct
```

```
<210> 1760
<211> 410
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (83)...(412)
<223> similar to gi4650844 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1760
agtgatgcag tcagatagaa ctgccattcg atctgactcc actcacttgg ttacattagg

```
aggagttttg aggcagcagc tggatggcag taaagaatta cggatgtatg atgaaagggc 120 acaagaatgg agatctttag ccccaatgga tgctccccgt taccagcatg gtattgctgt 180 cattggaaac tttctttatg tagttggtgg tcagagtaat tatgatacaa aaggaaaaac 240 tgctgttgat acagttttca gatttgatcc tcggtataat aaatggatgc aggttgcatc 300 attaaatgaa aagcgcacat tctttcactt gagtgccctc agaggacatt tgtatgcagt 120 tggtgggcgc agtgcagctg tggaactggc cacagtagaa tgttacaacc 410
```

```
<210> 1761
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (110)...(815)
<223> similar to gi2853076 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1761
tgagctaaca cctatagcag ttgacactac ctctcaaaga aatgcatctc caaatagtga
                                                                       60
gccctgcagc agtgattctg tatccgagcc agaatgtact actgattctt catccagcaa
                                                                      120
agagcacaca tcatcatctg ctattccagg aggtgtggat attatggtca gtgaagatat
                                                                      180
gaaattaact gactcagagc taggaaagct ggcaaataat atccaggaat tattatatag
                                                                      240
                                                                      300
tgcctcagat atatgccatg atcgagctgt caaatttctc atgtcaagag caaaggatgg
                                                                      360
ttttcttgag aagctaaatt ccatggaatt cataacactt tctagattaa tggaaacatt
                                                                      420
cattttagac accgaacaga tctgtggaag aaaaagcacg tcattacttg gagcacttca
                                                                      480
gagccaagct attaagtttg taaataggtt tcatgaagag agaaaaacca agctcagcct
                                                                      540
cctcttagac aatgagcgct ggaagcaagc agatgttcct gcagaatttc aggatcttgt
                                                                      600
tqattctctg tcagatggga agattgcttt acctgaaaaa aaatcaggag ccacagaaga
aaggaaacca gctgaagttc ttattgtcga gggacaacag tatgcagttg ttggaaccgt
                                                                      660
attgetgtta ataagaatta teettgaata ttgecagtgt gtggataaca teecatetgt
                                                                      720
                                                                      780
tactactgac atgettacte gtetgteaga tttattgaag tactteaatt caagaagttg
                                                                      840
ccagttagtt cttggagctg gtgcactgca agttgttgga ctaaaaacga taactacaaa
```

```
<210> 1762
<211> 892
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(895)
<223> similar to gi2522322 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1762
                                                                       60
atgtggacag cgtgggtggc ggcagcgagt ctcggtccct ggactcaccc acttccagcc
                                                                      120
caggegetgg cacgaggeag etggtgaagg ettegteeac aggeactgag teetcagatg
actttgagga gcgagaccct gacctgggag acgggctgga gaatgggctg ggcagcccct
                                                                      180
                                                                      240
tegggaagtg gacactgtee agegeggete agacceacca getgeggega etgeggggee
cagccaagtg ccgcgagtgc gaagccttca tggtcagcgg gacggagtgt gaggagtgct
                                                                      300
ttctgacctg ccacaagcgc tgcctggaga ctctcctgat cctctgtgga cacaggcggc
                                                                      360
teccageeeg gacaceeett tttggggttg acttéctgea getaceeagg gactteeegg
                                                                      420
                                                                      480
aggaggtacc ctttgtggtc acgaagtgca cggctgagat agaacaccgt gccctggatg
                                                                      540
tgcagggcat ttaccgggtc agcgggtccc gggtccgtgt ggagcggctg tgccaggctt
                                                                      600
togagaatgg cogagogttg gtggagotgt oggggaactc gcctcatgac gtctcgagtg
tecteaageg atttetteag gageteaceg agecegtgat eccetteeac etetaegaeg
                                                                      660
                                                                      720
cetteatete tetggetaag acettgeatg cagaceetgg ggacgaceet gggaceecca
                                                                      780
geoceagede tgaggttate egetegetga agaceetett ggtacagetg cetgaeteta
                                                                      840
actacaacac cctgcggcac ctggtggccc atctgttcag ggtggctgca cgatttatgg
                                                                      892
aaaacaagat gtctgccaac aacctgggca ttgtgtttgg gccgacactg ct
```

```
<210> 1763
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(420)
<223> similar to gi5870832 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1763
gagaacgtgg aggtcttcac cgctgagggc aaaggaaggg gtctgaaggc caccaaggag 60
ttctgggctg cagatatcat ctttgctgag cgggcttatt ccgcagtggt ttttgacagc 120
cttgttaatt ttgtgtgcca caectgcttc aagaggcagg agaagctcca tcgctgtggg 180
cagtgcaagt ttgcccatta ctgcgaccgc acctgccaga aggatgcttg gctgaaccac 240
aagaatgaat gttcggccat caagagatat gggaaggtgc ccaatgagaa catcaggctg
gcggcgcga tcatgtggag ggtggagaa gaaggcaccg ggctcacgga gggctgcctg
gtgtccgtgg acgacttgca gaaccacgtg gagcactttg gggaggagga gcagaagga 419
```

```
<210> 1764
<211> 412
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (114)...(319) <223> similar to gi200794 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1764
aattttctc tgtccaggat tcttgcctcc aaaccactgt acctggtcgg ctgtgcacct 60
ttgggaacct tacagtgcgt tttgtgggga ccaaggtcc agagcccacc tgtccactag 120
ctaccccttg cacttccagg ttccgctttg attataccaa tgagagggcc ctgcggggaacctggtgaggggaatt tgagcggatg cgggaggatc tgagcaacgc acacatccag aacgagttgg 240
agcgggaatt tgagcggatg cgggaggatc gggaggtgct cagggtcatc ttcccaactg 300
gagacagcaa ggtgcgtgtg ggtcgaagtg ctgatgctag agatgtgcct ccctggatgg 360
ctgtcccag acacagccct ccctccattt acccctctct caggacgaac tg
```

```
<210> 1765
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (292)...(579)
<223> similar to gi5532485 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1765
caccetttgt cataaaatag teatetgaaa aatgaaceae cateaattee aagtetaget
                                                                       60
aattttcata aataatactt gttgaatagt cccattaatt ctgggcttct tgctagagtg
                                                                      120
gtagtatgtt agtgcactgt actttaaggg cttaaaagct gaatatatag aacttaccag
                                                                      180
ggotgttcaa atacagocaa aataggaatg ttootttcaa otgtaactao ttaattotgo
                                                                      240
ttcattcaag ctaacaattg catgtaaaca ttcttacttt gttttaattt caagcaacac
                                                                      3,00
                                                                      360
aactcagaac atgcgcgact gcaagttcct acatcacaag taagaagtag atcaacctca
aggggagatg tgaatgatca ggatgcaatc caggagaaat tttacccacc acgtttcatt
                                                                      420
caagtgccag agaacatgtc gattgatgaa ggaagattct gcagaatgga cttcaaagtg
                                                                      480
agtggactgc cagctcctga tgtgtcatgg tatctaaatg gaagaacagt tcaatcagat
                                                                      540
                                                                      578
gatttgcaca aaatgatagt gtctgagaag ggtcttca
```

```
<210> 1766
<211> 511
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (1)...(512) <223> similar to gi3868778 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1766
ctatcccaaa gtgagaagaa caattactat tcaagccgtt ttagccctga cagccagtat
                                                                       60
                                                                      120
attgacaaca ggagtgtgaa cagtgcaggg cttcacacgg tgcagagagc accccgactg
                                                                      180
aaccacccgc ctgagcagat agacteteac teaagactac cteatagege acaccecteg
ggaaaaccac catccgctcc agcctcggca cctcagaatg tatttagtac gactgtaagc
                                                                      240
agtggttata acaccaaaaa aataggcaag aggcttaata tccagcttaa gaaaggtaca
                                                                      300
                                                                      360
gaaggtttgg gattcagcat cacttccaga gatgtaacaa taggtggctc agctccaatc
tatgtgaaaa acattctccc ccggggggcg gccattcagg atggccgact taaggcagga
                                                                      420
                                                                      480
gacagactta tagaggtaaa tggagtagat ttagtgggca aatcccaaga ggaagttgtt
                                                                      51Ì
tcgctgttga gaagcaccaa gatggaagga g
```

```
<210> 1767
<211> 781
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (507)...(781)
<223> similar to gi2429362 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1767
ttttttttt ttcaccagga gagtctgcag gtttcctttt aatcaaggct ctactgaagg
                                                                       60
tgttttgtgg ggctaaaagc ccccaaaaca tgaaatggac atgtaacacc acctggatcc
                                                                      120
cccatagcag gccagaccac tctggcgagc actgctggtc tgcccaaatc tgggtaatca
                                                                      180
                                                                      240
gactgggtat tcattggctg catttcaaag cacagcactg ctttcagcca ggatgaagtg
                                                                      300
ggagtgaacc cagctgctag cagagctgcc actccaggct gagagccaag taccagccac
                                                                      360
tgccagtgaa gactggcccc tttactgaag ggagttgttc agagtccagc caccggccct
                                                                      420
ggggagggag agaagtcagg gtattctgct cggggatggt cagggctccg cagctccatc
                                                                      480
gccagcatée tttggaaage egectetgge ggagacagee ggetgggggg gegetecagg
                                                                      540
tttggctgag.acgttcccgc caccagccgg ctccgggcgc cggcggccca gctgccgtaa
catetecteg caggetgega tggtgtecag gagetgeege tgeegetget ecaeegegte
                                                                      600
                                                                      660
cagcagetge tgggegeget ectecegggg eggetgtggg ggtggeetee egeegageee
                                                                      720
cageceegee tteeegeggt ceaegeegge agecteeeeg egtgaceagt etgageeegg
gccccattcc atctccgctt gcgcggcccg accaccgccc ccctttcggc cgcccccctc
                                                                      780
                                                                      781
```

```
<211> 628
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(629)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(568)
<223> similar to gi55473 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1768
ctcacactgg ggaaaggccc tacaaatgta ataagtgtga gaaaagttac cgacaccgtt
cagcetteat tgtacataaa agagtteata etggggagaa geeetataag tgtggtgeet
gtgaaaaatg ctttggccag aaatcagacc ttatcgtgca ccagagagtc cacacaggtg
                                                                      180
agaagccgta taaatgcctg gaatgtatga gaagttttac tcggagtgcc aacctaatta
                                                                      240
ggcaccaggc aactcacact cacactttta aatgccttga atatgaaaaa agctttaact
                                                                      300
gtagctcaga tottattgta catcagagaa ttcacatgga agagaaacca catcagtggt
                                                                      360
ctgcgtgtga gagtggcttc ctcctaggaa tggactttgt tgcccaacag aaaatgagaa
                                                                      420
ctcaaacaga ggagctacac tataaatgca ctgtatgtga taaaagcttc caccagagtt
                                                                      480
cagcccttct tcaacatcag acagtacaca ttggtgaaaa accgtttgtc tgtaatgtga
                                                                      540
gtgaaaaagg tottgagott agccotcocc atgcgtcaga agcctcacag atgtcttgac
                                                                      600
                                                                      628
caggcganga agctgtaata ccaatatt
```

```
<210> 1769
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (380)...(818)
<223> similar to gi1055060 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1769
cagagttact tgcccagagt tgcagagcca gttcctgcc catcttctgt ggctcccgag 60
tccttggatg ggtgatagca gccgcctgcc atcttccctg tctcaggacc tctcccactc 120
ctatccaggt gacatcatcc ggaaaatcat ccccaaccac gagctggttg gggagctggc 180
ggcgctgtac ttggagagca tcagccccag cagtcgcaac cctgccagcg tggagcccac catgcccggc accgggcccg agtgggaccc ccatggtgg ggctgcctc aggatgacgg 300
ccactcaggg acctttggga gcgtcctggt ggggaaccgc attcagatcc ccaatgactc 360
tcggcctgag aaccccggac cactgggccc catctcgggg gtgggtggcg ggggcctggg 420
```

```
cagegggage gaegaeaaeg ceetgaagea ggagetgeeg eggagegtge aegggetgag
                                                                      480
cggaaactgg ctggcgtact ggcagtacga gatcggcgtg agccagcagg atgcccactt
                                                                      540
                                                                      600
tcacttccac cagatccgcc tgcagagctt cccgggccac tcgggggccg tcaagtgcgt
ggcacccctg agcagcgagg acttetteet gageggeage aaggategta eegtgegeet
                                                                      660
                                                                      720
ctggccgctg tacaactacg gcgacgggac cagcgagacg gccccacgcc tcgtctacac
                                                                      780
ccaqcaccgc aagagcgtct tcttcgtggg ccagcttgag gccccacagc acgtggtgag
                                                                      828
ctgtgacggg gctgtgcacg tctgggaccc cttcacaggg aagaccct
```

```
<210> 1770
 <211> 495
' <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature"
 <222> (1)...(484)
 <223> similar to gi551933 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

```
<400> 1770
ggtcgtgacc ttgattggga tgaagagatg gcaaaagccc agtcacatga ctgtgttcct
                                                                       60
                                                                      120
gttctttcag aacacccact gtatattctt tacacatctg gcacaacggg gttacctaag
                                                                      180
ggtgtgatta ggcccactgg gggatacgct gtcatgctac actggtcaat gtcttccata
                                                                      240
tacggacttc aacccggaga ggtgtggtgg gcagcttctg acttaggctg ggttgttgga
                                                                      300
cattectata tetgetatgg acctettett catgggaaca caacagtttt atatgagggg
aagcctgtgg gaacaccaga tgctggcgct tatttccgtg tgcttgcaga gcatggagta
                                                                      360
                                                                      420
gctgccttgt ttacagcacc aactgcaatt agagcaatcc gtcaacagga ccctggggca
gctttgggga agcagtactc tctgacaagg ttcaaaacat tatttgtggc tgggagaacg
                                                                      480
                                                                      495
atgtgatgta gagaa
```

```
<210> 1771
<211> 416
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (3)...(410)
<223> similar to gi2970644 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

<400> 1771 aagaaacaga aagtaaaact gaacaaacta gagatattgt taaaggggat gtcaaaacct

```
gtaaatggct ttttgagacc cagccaatgg agtctcttta tgaaaaagtt tcgttaatga 120 ccagcagtga agaaattcat aagggagatg tcaaaacttg tacttggctc tttgaaactc 180 agccacttga taccataaaa gatgactctg aaacagcagt caaattgcaa actgtaaaac 240 aggagagat ccaaggtggg gatgttcgta cagcatgttt tctttttgag acagaaaatt tggacagcat acaaggagaa gaagtgaagg aaatcaagcc tgttgaaatg gatatacaag 360 ctggagatgt ttccagcatg aggtataaat ttgaaaatca gtccttagat tctata 416
```

```
<210> 1772
<211> 819
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(822)
<223> similar to gi2224721 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1772
                                                                       60
ctagtttege gageggeege ttaaegeegt egtegeegge tttegaegge gagetggate
tgcagcgata ctccaacggg ccagccgtga gcgcatggtc gctcgggatg ggagcggtga
                                                                      120
                                                                      180
gctggtctga gagtcgtgca ggcgaacggc gcttcccctg ccctgtatgc gggaagcgct
tecgetteaa etetateett getttgeace tgegeacaca eeageeegag egeceaegta
                                                                      240
                                                                      300
gtectgetge acgeetgttg etggagttgg aagagegege getactaege gaggeeegae
tggggagagc ccgaagctca gggggcatgc aggccacccc tgccactgag ggtctggcgc
                                                                      360
                                                                      420
ggccccagge tectteateg teegeettee gttgccceta etgcaaagge aagtttegea
cctcggcgga gcgcgaacgc cacctgcaca tcctgcatag gccctggaag tgcggcctgt
                                                                      480
                                                                      540
gcagtttcgg ctccagccag gaggaggagc tgctgcacca cagcctgacg gcccacgggg
ctcccgagcg tcccctggcg gccacctccg ctgcgcctcc gcctcagcct cagcctcagc
                                                                      600
                                                                      660
ctccaccca gcccgaaccc agatcagtcc cccagccgga gccggagccc cagcccgaac
                                                                      720
qtqaqqcaac cccgacccca gctcctgccg ctcccgagga gcccccagcg cctccggagt
                                                                      780
teegetgeea agtgtgegge cagagettta cacagtettg gttteteaag ggeeacatge
                                                                      819
gtaagcacaa ggcctccttc gatcatgcgt gtccggtgt
```

```
<210> 1773
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(458)
<223> similar to gil212992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1773
                                                                       60
cccacgcgtc cgcccacgcg tccggtcaag aaaaactagt gcctccatcc gtggagctag
atgtgaaatt aattgaaggt cttgtggtaa aggctggaac cacagtcaga ttccctgcta
                                                                      120
ttataagagg tgtgcctgtt cctactgcaa agtggacaac cgatgggagt gagattaaaa
                                                                      180
ccgatgagca ctacacagtt gaaacagaca acttctcatc agtacttacc attaagaact
                                                                      240
gcttaaggag agacactggg gaatatcaaa tcacagtttc caatgcagcc ggtagcaaaa
                                                                      300
                                                                      360
cagtageegt acatettact gttettgatg tteetgggee aceaacaggt cetattaata
ttctggatgt tactcctgaa cacatgacta tctcatggca gccacctaag gatgatggag
                                                                      420
                                                                      455
gaagccctgt gataaattat attgttgaga tacag
```

```
<210> 1774
<211> 638
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(641)
<223> similar to gi4589566 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1774
aggaatgtgg aaagaccttt agacttagtt tttaccttac tgaacacaga agaactcatg
                                                                       60
                                                                      120
caggtaagaa accttatgaa tgtaaggagt gtgggaaatc atttaatgtg cgtggacagc
                                                                      180
ttaatcggca taaaacaatc catactggta taaaaccttt tgcatgtaag gtgtgtgaga
                                                                      240
aggettttag ttatagtggt gaceteagag tacattetag aatteataet ggagagaaae
catatgaatg taaggaatgc gggaaagcct ttatgcttcg ttcagtcctt actgaacatc
                                                                      300
agagactica tactggtgtg aagccctacg aatgtaagga atgtgggaag acctttcgag
                                                                      360
                                                                      420
ttcqttctca aattagtcta cataagaaaa ttcatactga tgtgaagccc tacaaatgtg
                                                                      480
tacgatgtgg gaagaccttt agatttggtt tctaccttac tgaacaccag agaattcaca
                                                                      540
ctggtgaaaa gccctataaa tgtaaagaat ggggaaaggc ctttattcgt agagggaatc
                                                                      600
ttaaagaaca totgaaaatt cattotggtt taaaaccota tgactgtaaa gaatgtggga
                                                                      638
agteetttag teggegtggg cagtteactg aacateaa
```

```
<210> 1775
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(408)
<223> similar to gi2970646 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1775

cccacgcgtc cggcagctgt tggccagctg catagataaa ggagacctga gtggcctgca 60
cagtctgcgg tgggagccc cggctgaccc gagtccagtg ccagccagcg aggggccca 120
gagcctgcac cccactgaga gcatcatcca tgttccccca ctggacccca gcatggggat 180
ggggcatctg agagcctcag gggccacccc ttgccctcct caggccattg gaaaggcagt 240
ccctctggct gggaagctg cagcaccagc ccaattgcaa aacacagaaa agcaggaaga 300
cagtcactct ggacagaaag ggatggcagt cttgggaaag tcagaaggag ccacgactac 360
ccctccgggg cctggggccc cagacctcct ggccgccatg cagagt
```

```
<210> 1776
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (136)...(266)
<223> similar to gi5912265 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 1776
ggactccatg tcatctctct gcacagcgct gatggtcgtc actgggagga tcccctttct 60
gagcttgaca gtgaacgtgt gtctgcattt cttgtcactg agaccctggt gttctatttg 120
ttctgtctcc ttgcagatga aaccgtcgtg ccaccagatg ttccaagcta cctctcttct 180
caggggaccc tttctgaccg acaagaaacc gtggtcagga ccgagggtgg ccctcaggcc 240
aatgggcaca ttgagagcaa tggtaaggcc tcagtaaccg tgaagcagag ctctgctgtg 300
actgtgtctc tgggtgctgg aggtggcctc caggtcttta cagggcaggt acctggcatt 360
agatgggca aacttggtga agcccacgcg tccg
```

```
<210> 1777
<211> 550
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (281)...(552)
<223> similar to gi289404 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1777
ctgtgacacc tccgggcagc ccggcacttg ttgctcccac gacctgttgt cattccctta
                                                                       60
acceggettt eccegtggee eccegeetee teceggette geteetttte atgtgageat
                                                                      120
ctgggacact gatctctcag accccgctgc tcgggctgga gaatagatgg ttttgtgaaa
                                                                      180
                                                                      240
aattaaacac cgccctgaag aggagccccg ctgggcagcg gcaggagcgc agagtgctgg
cccaggtgct gcagaggtgg cgcctccccg gcccgggacg gtagccccgg gcgccaacgg
                                                                      300
catgacagac teggegacag etaaegggga egaeagggae eeegagateg agetettigt
                                                                      420
gaaggetgga ategatggag aaageategg caactgteet tteteteage geetetteat
gatcctctgg ctgaaaggag tcgtgttcaa tgtcaccact gtggatctga aaagaaagcc
                                                                      480
agetgacetg egeaacetag ecceeggaac geaceegeee tttetggeet teaactggta
                                                                      540
                                                                      550
cgtgaagaca
     <210> 1778
     <211> 432
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1) ... (433)
     <223> n = a,t,c or g
     <220>
     <221> misc_feature
     <222> (219) ... (333)
     <223> similar to gi451842 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1778
                                                                       60
nagtctcggt gcaataaagg cgtggatggg tcggtctttg aatttccagg cccgataagg
aaaggtatta ggtccgagat tccttttttg tttttccaaa ccaaagagaa atcctcccaa
                                                                       120
attctccaaa tatggtattt tctagggggg aaaaaaaagcc cagtttagac agcgaagaag
                                                                       180
                                                                       240
gttgtcttct gtgatagatc gtctttttct cttttagtcc tcctcctcct ccaccaaggg
                                                                       300
atgitegice tectegiaca ectectecte etececete ecetectect cetgiteggi
                                                                       360
cctcctttcc ccctctttct gttctcttcc cctcagttgn nnnnnnnnn nnnnnnnnn
                                                                       420
nnnnnnnnn nnnnnnnnn nnnattgtca agccccgaa ctgaaggtta cgagcggccc
                                                                       432
gtcagcagcc ca
     <210> 1779
     <211> 611
```

<212> DNA

<220>

<213> Homo sapiens

<221> misc\_feature

<222> (24)...(614) <223> similar to gi5640017 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1779
acaatteett agttteacea etteaaaaaa tttattetag tgteaaatee cacattttaa
                                                                       60
ataaatacag aaatgatttt gatgattete cattteteee acaagaacaa aaagcacaaa
                                                                      120
taaqggaaaa accgtgtgaa tgtaatgagc atggcaaagc ctttagagtg tcttcaagcc
                                                                      180
ttgctaacca tcaagtaatc cacactgcag ataaccctta caaatgtaat gaatgtgaca
                                                                      240
aggtcttcag taacagttca aaccttgtac aacatcaaag aattcatact ggagagaagc
                                                                      300
cttacaaqtq tcatgaatgt ggcaagctct tcaatcgaat ttcactcctt gcacgacatc
                                                                      360.
agagaataca tactggagag aaaccttaca aatgtcatga gtgtggcaaa gtcttcactc
                                                                      420
                                                                      480
aaaattotoa cottgoaaat catoacagaa tooacactgg agagaaacot tacaaatgta
atgagtgtgg caaggtcttc aacagaaatg cacaccttgc acgacatcag aaaattcata
                                                                      540
gtggagagaa accttacaaa tgtaaggaat gtggcaaagc attttcaggg ggttcaggcc
                                                                      600
ttactgctca t
```

```
<210> 1780
<211> 932
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(934)
<223> similar to gi5262560 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1780
cagetttgtg tgtgaagttg geetaggtaa eteatettet aatatgaaca teagaggtga
                                                                       60
cactggacac aaggcatgtg aatgtcagga atatggacca aagccatgga agagtcaaca
                                                                      120
acctaaaaaa gccttcagat atcacccctc cttgagaaca caagaaaggg atcacactgg
                                                                      180
aaagaaaccc tatgcttgta aagaatgtgg aaaaaacatt atttaccatt caagcattca
                                                                      240
                                                                      300
aagacacatg gtagtgcaca gtggggatgg accttataaa tgtaagtttt gtgggaaagc
                                                                      360
attccattgt ctcagtttat atcttatcca tgaaagaact cacactggag agaaaccgta
                                                                      420
tqaatqtaaa caatqtggta aatcttttag ttattctgct acccatcgaa tacatgaaag
                                                                      480
aactcacatt ggagaaaagc cttatgaatg tcaggaatgt gggaaagcat tccatagtcc
                                                                      540
cagatectqt cacagacatg aaaggagtea catgggagag aaggettate aatgtaagga
atgtggaaaa gcattcatgt gtccccgtta tgttcgtaga catgaaagga cccactctag
                                                                      600
gaaaaaactt tatgaatgta agcagtgtgg gaaagcatta tcctctctta caagttttca
                                                                      660
aacacacata agaatgcact ctggagaaag accttatgaa tgtaagacat gtgggaaagg
                                                                      720
cttttattct gccaagtcat ttcaaagaca tgaaaaaact cacagtggag agaaaccgta
                                                                      780
taaatgcaag caatgtggta aagccttcac tcgttccggt tcctttcgat atcatgaaag
                                                                      840
                                                                      900
gactcacact ggagagaaac cctatgagtg taagcaatgt gggaaagcct tcagatctgc
                                                                      932
cccaaatctt caatcgcatg gtaggactca ca
```

```
<210> 1781
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(225)
<223> similar to gi1621040 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

·<400>	1781	•				
cttggattca	gtgatggaca	ggaagccagg	cctgaagaaa	ttggctggtt	aaatggctat	60
		gggggacttt				120
		accaaagccc				180
		agatgttgaa				240
		ccagacacca				300
		aaaagccagc				360
		atttttacaa				420
tq	• •	•				422

```
<210> 1782
<211> 610
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(613)
<223> similar to gi2330794 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1782
                                                                       60
cgcccacgcg tecgcccacg cgtccggaag ggaaagagtg tgacaacctg ttcaccgtca
ttgcccattt atacaacttc cacgtggtac agtctctcct catcttcgac attttgaaaa
                                                                      120
aactgattgg aactttcacc gaaaaagata ttgaactgat cttgttaatg ctgaaaaacg
                                                                      180
                                                                      240
tgggtttttc attgaggaaa gatgatgctt tatcacttaa ggaattgatc actgaagccc
                                                                      300
agaccaaagc cagcggggca ggcagcgagt ttcaggacca gaccaggatt cggtttatgc
tagagacgat gttggccctg aagaacaatg acatgcgcaa aattccaggc tatgaccccg
                                                                      360
                                                                      420
agecegtgga gaagetgagg aaactgeaga gagetttggt eegeaacgee ggeteaggtt
                                                                      480
ctgagacgca gcttcgcgtc tcctgggaca gtgtcttgag tgcggagcag acgggtcgct
ggtggattgt ggggtccgcc tggagtgggg ccccgatgat cgacaacagt caccatacgc
                                                                      540
acctgcagaa gcagcttgtg gggacggtca gttcaaagat cctagaactc gccccggagc
                                                                      600
                                                                      610
agaggatgaa
```

```
<210> 1783
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(778)
<223> similar to gi3319990 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1783
ttggtgtgac cttaccattc accttcctgc agcagtgctg cttaaggaga tacatatcca
                                                                       60
gcctcatctt gcatctcttg caacctgccc ttcctcagtg tctgttgaag taagtgcaga
                                                                      120
tggggtaaat atgctacctt tgtccactcc tgttgtcaca agtggcctca cctacataaa
                                                                      180
                                                                      240
aattcagctt gtaaaagccg aagtagcttc tgctgtctgc cttagactac atcgtccacg
                                                                      300
ggatgccagc acattaggcc tttcacaaat taaattattg gggctcactg cttttggtac
cacctettet geaacagtta ataateeatt cetteeatet gaagateagg tateeaaaac
                                                                      360
aagtattgga tggttacggt tattacatca ttgccttact cacataagtg atctagaagg
                                                                      420
aatgatggca agtgcagctg cacctactgc taatctgctg cagacttgtg cggccttatt
                                                                      480
                                                                      540
gatgtcacct tactgtggaa tgcattcacc caacatcgag gttgtgcttg taaagatagg
actgcagtct actagaattg gcctgaagct catagacatt ctcctgagaa attgtgcagc
                                                                      600
                                                                      660
atcaggcagt gatcctacag atttgaatag teetttaett tttggaagae taaatggaet
                                                                      720
ctcttctgac tctacgatag atattcttta ccagcttgga acaactcagg atcctggtac
                                                                      776
aaaagacaga attcaggcct tgttaaaatg ggttagtgat tctgcaagag tggctg
```

```
<210> 1784
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(457)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(457)
<223> n = a,t,c or g
<220>
<221> misc_feature
<222> (2)...(429)
<223> similar to gi6002488 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1784
cccacgcgtc cggcttcgtg gtccagggct ccaatggcga gtttcctttc ctgaccagca
                                                                       60
gtgagcgcct cgaggtggtg agccgtgtgc gccaggccat gcccatgaac aggctcctgc
                                                                      120
tagetggete eggatgegag tecaeteaag ceaeagtgga gatgacegte ageatggeee
                                                                      180
aggtcggggc tgacgcggcc atggtggtga ccccttgcta ctatcgtggc cgcatgagca
                                                                      240
gtgcggccct cattcaccac tacaccaagg ttgctgatct ctctccaatc cctgtggtgc
                                                                      300
tgtacagtgt cccagccaac acagggctgg acctgcctgt ggatgcagtg gtcacgcttt
                                                                      360
                                                                     420
cccagcaccc gaatattgtg ggcatgaagg acagcggtgg tgatgtgacc aggattgggc
                                                                      456
tgattgttca caagacccag gaagcangat tttagg
```

```
<210> 1785
<211> 465
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(435)
<223> similar to gi5869803 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1785
                                                                       60
caqqacqqac qqaqcccqqc cactgctaca ggctgtattc atctgcggtt tttggtgact
                                                                      120
tegageagtt teeteeteea gaaateaeee ggaggeetgt tgaagaetta ateetteaaa
                                                                      180
tgaaggeget caaegttgaa aaggteatea aëtteeeëtt eeegaegeee eeeteegtgg
aagecettet tgeegeegag gagetgttga tegeaetggg tgeeetgeaa eegeeecaga
                                                                      240
                                                                      300
aaqcaqaaaq gqtgaaqcaa ctgcaggaga accggctgag ctgccccatc actgcgctgg
geoggacaat ggecaegtte ecegtggeae ecegetaege taagatgetg geaetgagee
                                                                      360
                                                                      420
gacaacacgg ctgcctgccc tatgccatca ccatcgtggc cagcatgacg gtgcgggagc
                                                                      465
tgtttgagga gctggacaga ccagcggtcc agtgacgagg agctc
```

```
<210> 1786
<211> 567
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (13)...(568)
<223> similar to gi506502 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
60
qqatagggag ctttccctaa tggaacagat caaggaattg atcctggaaa gaaacaccat
                                                                      120
gaatgtaccg actgtgggaa aacctttctc tggaagacac agcttactga gcatcagaga
                                                                      180
attcacactg gggagaaacc ctttgaatgc aatgtatgtg gaaaggcctt caggcatagc
                                                                      240
tcatctcttg gtcagcatga gaatgctcat accggagaga aaccctatca gtgtagtctc
tgtgggaaag ccttccagcg cagctcctcc cttgttcaac accagcgaat tcacactgga
                                                                      300
                                                                      360
gagaaaccct atcgatgtaa tctatgtggg aggtccttta ggcatggcac atccctcact
caacacgagg tcacacacag tggagagaag cccttccagt gtaaggaatg tgggaaagcc
                                                                      420
tttagtcgat gttcttccct tgtccaacat gagaggactc atactggaga gaaacctttt
                                                                      480
                                                                      540
gaatgtagca tatgtgggag ggcttttggt cagagcccat ccctttataa acatatgagg
                                                                      567
attcataaga gaggcaaacc ttaccat
```

```
<210> 1787
<211> 1561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(1275)
<223> similar to gi3882175 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1787 60 gcgccggggc atcctggccg tgctggacga ggcctgcagc tctgctggca ccatcactga 120 ccgaatcttc ctgcagaccc tggacacgca ccaccgccat cacctacact acaccagccg ccagetetge eccaeagaca agaceatgga gtttggeega gaetteegga teaageacta 180 240 tġcaggggac gtcacgtact ccgtggaagg cttcatcgac aagaacagag atttcctctt 300 ccaggacttc aageggetge tgtacaacag cacggacccc actctacggg ccatgtggcc 360 ggacggcag caggacatca cagaggtgac caagegcccc ctgacggctg gcacactctt 420 caagaactee atggtggeee tggtggagaa cettgeetee aaggageeet tetaegteeg 480 ctgcatcaag cccaatgagg acaaggtagc tgggaagctg gatgagaacc actgtcgcca 540 ccgccagccc tactctcgat tcctgctcag gtacaagatg acctgtgaat acacatggcc 600 660 caaccacctg ctgggctccg acaaggcagc cgtgagcgct ctcctggagc agcacgggct gcagggggac gtggcctttg gccacagcaa gctgttcatc cgctcacccc ggacactggt 720 780 cacactggag cagageegag ecegeeteat ececateatt gtgetgetat tgcagaagge atggcggggc accttggcga ggtggcgctg ccggaggctg agggctatct acaccatcat 840 900 gcgctggttc cggagacaca aggtgcgggc tcacctggct gagctgcagc ggcgattcca 960 ggctgcaagg cagccgccac tctacgggcg tgaccttgtg tggccgctgc cccctgctgt 1020 getgeageee ttecaggaca cetgecacge actettetge aggtggeggg eeeggeaget 1080 ggtgaagaac atccccctt cagacatgcc ccagatcaag gccaaggtgg ccgccatggg 1140 ggccctgcaa gggcttcgtc aggactgggg ctgccgacgg gcctgggccc gagactacct 1200 qtcctctgcc actgacaatc ccacagcatc aagcctgttt gctcagcgac taaagacact 1260 tegggacaaa gatggetteg gggetgtget etttteaage eatgteegea aggttagaea 1320 agggacaagg atggetteag ggetgtgete titttetage caegtetgea aggitagaag ctggtgcaga gttttggggg ggcacttggg agaaaatgga ggcaacccca gcccaggccc 1380 1440 agctgctcct gacactccca aaactgtcgc cagcggggag gggaggcagt agggactgcc 1500 gaageetggg geeetggtgg gtgacaggge ageaceagee tgggteeage caceteteee 1560 acaggtgaac cgcttccaca agatcaggaa ccgggccctc ctgctcacag accagtcgag 1561

```
<210> 1788
<211> 2634
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1150)...(2530)
<223> similar to gi5824570 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1788
                                                                       60
actcaccgtt tgaaagatgg ctcaactatg ttgatagaag cagcaaaagg tggccataca
agtgttgttt gctatctctt ggattatcct aataacttgc tttcagcccc tccaccagat
                                                                      120
                                                                      180
gtcactcagt taactccccc atcccacgat ttaaataggg ctcctcgtgt accagttcaa
                                                                      240
gcactgccca tggttgttcc acctcaggag cctgacaaac cacctgccaa tgttgccacc
                                                                      300
acticticca teaggaataa agetgettet aaacaaaagt eeageageea titgeeagea
                                                                      360
aacagccagg atgtacaggg ttacatcacc aatcagtctc cagagagcat tgtagaagag
                                                                      420
gctcagggaa agttaacaga actggaacag aggataaaag aagccataga aaagaatgca
                                                                      480
cagctgcagt ccttggaact ggctcatgct gaccaactta ccaaggagaa gatcgaggag
                                                                      540
ctcaacaaaa caagggagga acaaattcag aagaaacaaa agattttgga ggaactacag
aaagtagaac gagagttaca actgaaaact cagcagcagc taaaaaagca gtatctagag
                                                                      600
                                                                      660
gttaaagctc aaagaattca acttcagcaa cagcagcaac agtcttgcca acacctggga
ttactaactc ctgttggagt tggagagcag ctttctgagg gagactatgc acggttacag
                                                                      720
caagtggatc ctgttttact taaagatgaa ccccagcaga ctgctgctca gatgggtttt
                                                                      780
                                                                      840
gegecaatee agestetgge gatgesteaa getttgeete tggeggeagg tesettgeet
                                                                      900
ccagggtcca tcgcaaatct tacagaactg caaggagtga tagttggaca gccagtactg
                                                                      960
ggccaagcac agttggcagg gctggggcaa ggaattctga cagaaacaca acaagggtta
                                                                      1020
atggtageca gecetgetea gacceteaat gacaegetgg atgacateat ggcagteagt
                                                                     1080
ggaagagcat ctgcaatgtc aaacactcct acccacagta ttgctgcatc catttcccaa
cotcagacto caactocaag tootatoato totcottcag coatgettee tatotaccot
                                                                     1140
                                                                     1200
gccattgata ttgatgcaca gactgagagt aatcatgaca cggcgctaac acttgcctgt
                                                                     1260
gctggtggcc acgaggaact ggtacaaaca ctgctagaga gaggagctag tatagagcac
                                                                    :1320
cgagacaaga aaggttttac tccactcatc ttggctgcca cagctggtca tgttggtgtt
                                                                     1380
gtggaaatat tgctggacaa tggtgcagac attgaagccc agtctgaaag aaccaaggac
                                                                      1440
acaccactct ccttggcttg ttctggggga agacaggagg tggtggagct attgttagct
                                                                      1500
cgaggggcaa ataaagagca caggaatgtt tctgattaca cacctctaag tctggctgct
                                                                      1560
tctggtggct.atgtgaacat catcaaaata ttactaaatg caggagctga gattaactct
agaactggta gcaaattggg catctctcct ctgatgttag cagctatgaa tgggcataca
                                                                      1620
                                                                      1680
gctgctgtta agctcctgtt agacatgggc tctgacataa atgctcagat agaaaccaat
                                                                      1740
cggaacactg cccttacttt agcctgcttc caaggaagaa ctgaagtggt tagtcttctg
                                                                      1800
cttgatagaa aagcaaatgt tgaacacaga gctaagactg gtctcacacc actaatggaa
                                                                      1860
gctgcctctg gtggatatgc ggaggtgggc cgagttcttt tggataaagg tgctgatgtt
aatgcccctc cagttccctc ctcaagagat acagctttaa ccatagcagc agataaaggg
                                                                      1920
                                                                      1980
cattacaaat tetgtgaget tettattgge aggggagete atattgatgt acgtaacaag
                                                                      2040.
aaggggaaca ctccattgtg gctagcagca aatggtggac acctcgatgt ggttcagtta
                                                                      2100
ctggtgcaag caggtgcaga tgtggatgca gcagataacc gcaagataac tcctcttatg
                                                                      2160
gcagcattta gaaagggtca tgtgaaggtg gtgcgctact tagtcaaaga agtcaatcag
                                                                      2220
tttccatcag attctgaatg tatgagatac atagcaacca tcactgataa ggagatgctg
```

```
<210> 1789
<211> 852
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(853)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(634)
<223> misc_feature
<222> (46)...(634)
<223> similar to gi2702361 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1789
                                                                       60
cccacgcgtc cgctgatgct gaaagagagc aattttgctg acagttatta tgactacatt
                                                                      120
tgtattattg actttgaagc cacttgtgaa gaaggaaacc caccggagtt tgtacatgaa
ataattgaat ttccggttgt tttactgaat acgcatactt tagaaataga agacacgttt
                                                                      180
cagcagtatg taagaccaga gattaacaca cagctgtctg atttctgcat cagtctaact
ggaattactc aggatcaggt agacagagct gatacettee etcaggtact aaaaaaagta
                                                                      300
                                                                      360
attgactgga tgaaattgaa ggaattagga acaaagtata aatactcact tttaacagat
ggttcttggg atatgagtaa gttcttgaac attcagtgtc aactcagcag gctcaaatac
                                                                      420
                                                                      480
cctccttttg cgaaaaagtg gatcaatatt cggaagtcat atggaaattt ttacaaggtt
cctagaagcc aaaccaaact gacaataatg cttgaaaaat taggaatgga ttatgatggg
                                                                      540
cggcctcact gtggtcttga tgactctaag aatatcgccc gaatagcagt tcgaatgctt
                                                                      600
                                                                      660
caggatgggt gtgaactccg aatcaacgag aaaatgcatg caggacagct aatgagtgtg
tectetteet taccaataga gggeacteea ecaccacaaa tgecacattt tagaaagtaa
                                                                      720
                                                                      780
caacagtttt gtgtgtggat cattccaatt gaagttgcta tgaagaggta gcagatgaat
ctcattgaat tagtcctgta gtgcaaactt taagcacctt anaacattta aaatcttatt
                                                                      840
                                                                      852
acaggtgata ga
```

```
<210> 1790
<211> 1335
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (23)...(1334)
<223> similar to gi3868778 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1790
cccgggtcga cccacgcgtc cggtgagcct tctggtcttt cgccaggaag acgccttcca
                                                                       60
cccaatggaa ctgaatgcag agccaagcca gatgcagatt ccaaaagaaa cgaaagcaga
                                                                      120
agatgaggat attgttctta cacctgatgg caccagggaa tttctgacat ttgaagtccc
                                                                      180
acttaatgat tcaggatctg caggccttgg tgtcagtgtc aaaggtaacc ggtcaaaaga
                                                                      240
gaaccacgca gatttgggaa tctttgtcaa gtccattatt aatggaggag cagcatctaa
                                                                      300
agatggaagg cttcgggtga atgatcaact gatagcagta aatggagaat ccctgttggg
                                                                      360
caagacaaac caagatgcca tggaaaccct aagaaggtct atgtctactg aaggcaataa
                                                                      420
acgaggaatg atccagctta ttgttgcaag gagaataagc aagtgcaatg agctgaagtc
                                                                      480
acctgggage ecceetggae etgagetgee cattgaaaca gegttggatg atagagaacg
                                                                      540
aagaatttcc cattccctct acagtgggat tgaggggctt gatgaatcgc ccagcagaaa
                                                                      600
tgctgccctc agtaggataa tgggtaaata ccagctgtcc cctacagtga atatgcccca
                                                                      660
agatgacact gtcattatag aagatgacag gttgccagtg cttcctccac atctctctga
                                                                      720
                                                                      780
ccagtcctct tccagctccc atgatgatgt ggggtttgtg acggcagatg ctggtacttg
ggccaaggct gcaatcagtg attcagccga ctgctctttg agtccagatg ttgatccagt
                                                                      840
tettgetttt caacgagaag gatttggaeg teagagtatg teagaaaaae geacaaagea
                                                                      900
                                                                      960
attttcagat gccagtcaat tggatttcgt taaaacacga aaatcaaaaa gcatggattt
aggttetece ageagagatg tgggteette eetgggtetg aagaagteaa getegttgga
                                                                     1020
                                                                     1080
gagtctgcag accgcagttg ccgaggtgac tttgaatggg gatattcctt tccatcgtcc
acggccgcgg ataatcagag gcaggggatg caatgagagc ttcagagctg ccatcgacaa
                                                                     1140
atcttatgat aaacccgcgg tagatgatga tgatgaaggc atggagacct tggaagaaga
                                                                     1200
cacagaagaa agttcaagat cagggagaga gtctgtatcc acagccagtg atcagccttc
                                                                     1260
                                                                     1320
ccactctctg gagagacaaa tgaatggaaa ccaagagaaa ggtgataaga ctgatagaaa
                                                                     1335
aaaggataaa actgg
```

```
<210> 1791
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (257)...(385)
<223> similar to gi2529737 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1791
aaccaagaga gcttggaatt tggtaaactc aagataaagt cagactggat ctgcaggggg 60
cataaagtgg tacctcctct ctgtttaaat tgtttaattt acttaaacta tagtttttgc
ccaagaacga agtcaggcaa gtagtagaac cacactgtac ctcagttctc aacatttggc
tctgagttgt ttatttagta atatgtttta acacaaactc tatcagtttt tagaaatttg 240
```

```
tttaacattg tcttttacta atttagtata tgaaaatgat gatcagctcc tgtgggaccc 300 tgagtactta ccagaagata aagtgattat atttcttaaa gatgcatcta gaagaacagg 360 tgatgagaag ggtgtagaag caa 383
```

<210> 1792
<211> 372
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (3)...(186)
<223> similar to gi28913 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 1792
ctataccatc agaagccaag atgagactga aagccacct aactcaccaa gtctcctcaa 60
tcaatggtgg ttgtggaatg gtggtgggta ctgccagcac catggtgaca gcccgccag 120
agcagagcca gattctcatc cagcaccctg atgccccatc ccctgcccag ccacaggtca 180
gtggctctta ctctttatgt catatcttta tgacgtatct ttatgtcata tctattgttc 240
aaggagcaga aaattagaga agaatggact tcagctttct gggtttcttc ctgcttactt 300
tggttcttga tggcagtttg actatagcaa aacgtaccat tcttttatt atttattcat 360
ttttatttta gc

<210> 1793
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (218)...(693)
<223> similar to gi1938462 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 1793

tgaagtacca actattactt gcaattctta atgatgaact atatcattct aaattggatg 60
attgcctctg agttggaagt cctccatttc tctttccaca tgagtagtag cattcacatt 120
tgctgttact ttatcacttg cttcaacaaa agaacaagtt aatttatttt atgtttctta 180
atgctgctgt aatgtttta attgttttc tttgtcatta cagacctggg cattacattc 240
tctatcattg atcattgatt ctgctggcc actctattat gtgcatgtgg aacctaccct 300
ttctcttatt ataatagttg tggtaaatgt gcctcctact catgctgaag ttcaccaaag 360
ccttggtcgc tgtttgaatg cccttattac cacgttaggt ccagagctac aaggtaacag 420

```
480
tacttcaatt tctaccttaa ggacttcctg tctactgggt tgtgcagtaa tgcaagataa
                                                                      540
cccaqactgc cttgttcaag ctcaggccat ctcttgcctt cagcagcttc atatgtttgc
tocacgacat gtcaacttgt ctagcctggt tagctgcctc tgtgtgaatc tttgtagccc
                                                                      600
                                                                      660
ctacttqtta ctgagaagag cagtactggc ttgcttacgt cagcttgtac aaagagaagc
                                                                      703
agctgaagtt tcagaacatg ctgttatgct tgctaaggat agc
     <210> 1794
     <211> 214
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(191)
     <223> similar to gi553477 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1794
cttctcttcc tcctgctact ctggctccca gatatcaccg gagaaattgt gttgacgcag
                                                                      60
totocaggoa coetgtottt gtococaggg gagagagoda coetotoctg cagggocagt
                                                                      120
cagagtgtta gccgcaacct agcctggtat cagcagaaac ctggccaggc tcccaggctc
                                                                      180
ctcatctctg atacattcag cgtcgacgcg gccg
                                                                      214
     <210> 1795
     <211> 353
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (52)...(354)
     <223> similar to gi3757892 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1795
                                                                       60
tagagacaca aattacattg tcataagtaa aaactatagt ggatggaaat aaacacaaat
                                                                      120
gatccttatg tggcttttag aaggcgtact gaaaaaatgc agactcgaaa aaatcgcaaa
                                                                      180
aatgatgaag cotottacga aaaaatgott aagotgogac gagatotaag togagotgtt
                                                                      240
actattctag agatgataaa aagaagagaa aaaagtaaaa gagagctatt gcacttaaca
ctggaaatta tggaaaagag gtataatttg ggcgactaca atggagagat catgtctgag
                                                                      300
                                                                      353
gttatagcac agagacagcc aatgaaacct acttatgcca tccccatcat ccg
```

```
<210> 1796
<211> 1042
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(797)
<223> similar to gi3876299 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1796 60 cggacgcgtg gggtcatgga gctggcactg cggcgctctc ccgtcccgcg gtggttgctg ctgctgccgc tgctgctggg cctgaacgca ggagctgtca ttgactggcc cacagaggag 120 ggcaaggaag tatgggatta tgtgacggtc cgcaaggatg cctacatgtt ctggtggctc tattatgcca ccaactcctg caagaacttc tcagaactgc ccctggtcat gtggcttcag 240 ggcggtccag gcggttctag cactggattt ggaaactttg aggaaattgg gccccttgac 300 agtgatetea aaccaeggaa aaccaeetgg etceaggetg eeagteteet atttgtggat 360 aatcccgtgg gcactgggtt cagttatgtg aatggtagtg gtgcctatgc caaggacctg 420 480 gctatggtgg cttcagacat gatgggtctc ctgaagacct tcttcagttg ccacaaagaa 540 ttccagacag ttccattcta cattttctca gagtcctatg gaggaaaaat ggcagctggc attggtctag agctttataa ggccattcag cgagggacca tcaagtgcaa ctttgcgggg 600 660 gttgccttgg gtgattcctg gatctcccct gttgattcgg tgctctcctg gggaccttac 720 ctgtacagca tgtctcttct cgaagacaaa ggtctggcag aggtgtctaa ggttgcagag 780 caagtactga atgccgtaaa taaggggctc tacagagagg ccacagagct gtgggggaaa 840 gcagaaatga tcattgaaca ggtaaaaaagg ggaaacactc agaggcgagc ctgcttggct 900 ttttctggtg ggtacagggc ccatggttgg tgttgtcaaa cttggagtct acactgaggc 960 tececacata tetgeaaatg attgeatget ggataataaa tetettgggt etaageagtg atgtagtggc teettacaga gteagaaage cacecaggee tgeaagaett gettgteett 1020 1042 cactaaatgt aaaaattcta tt

```
<210> 1797
<211> 703
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(394)
<223> similar to gi4589642 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1797 agctagtege gageggeege eegegateta taactaggee gecacaetat accaegtegg

```
cactacagea ggccctgctg teteceaege egecagaeta tacaagaeae eageaggtae
                                                                      120
                                                                      180
cccacatcct tcaaggactg ctttctcccc ggcattcgct caccggccac tcggacatcc
                                                                      240
ggctgccccc aacagagttt gcacagctca ttaaaaggca gcagcaacaa cggcagcagc
agcagcaaca gcagcaacag caagaatacc aggaactgtt caggcacatg aaccaagggg
                                                                      300
atgcggggag tctggctccc agccttgggg gacagagcat gacagagcgc caggctttat
                                                                      360
cttatcaaaa tgctgactct tatcaccatc acaccagccc ccagcatctg ctacaaatca
                                                                      420
gggcacaaga atgtgtetea caggetteet caeceaecee geeceaeggg tatgeteaee
                                                                      480
agccggcact gatgcattca gagagcatgg aggaggactg ctcgtgtgag ggggccaagg
                                                                      540
atggcttcca agacagtaag agttcaagta cattgataag ataaagcctg gcgctctgtc
                                                                      600
atgetetgte ceccaagget gggagecaga eteccegeat eccettggtt catgtgeetg
                                                                      660
aacagtteet ggtattettg etgttgetge tgttgetget get
                                                                      703
```

```
<210> 1798
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(857)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (51)...(580)
<223> similar to gi3080530 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1798
                                                                       60
cagcaacaga goctaaagaa agaaaaagag cocacattgg ggtgattcot cactttttca
                                                                      120
tggctgttct ctatgtcttt ttgcatgcaa ttcttataat ggttcaagca acaactctca
                                                                      180
atgtagettt taacteacae aacaagtett tgettaetat eatgatgtet aataattitg
ttgaaattaa aggaagtgtt ttcaagaagt ttgaaaagaa caatctcttt caaatgtcaa
                                                                      240
atagcgatat taaggaacga ttcacaaatt atgtgctttt actgatagtg tgtctaagaa
                                                                      300
                                                                      360
acatggaaca gttttcttgg aatccagatc atctctgggt gttgtttcca gatgtctgta
tggtaattgc atcagaaatt gccgtggata ttgtaaaaca tgcctttatt actaaattca
                                                                      420
atgacattac tgcagatgtc tacagtgaat atagagccag tcttgctttt gaccttgtta
                                                                      480
                                                                      540
gcagccgaca gaaaaatgca tacactgatt acagtgactc tgtagcacgg aggatgggct
                                                                      600
ttattcctct.cccactagct gttttactca tcagagttgt aacaagctca attaaagtgc
aagggaatcc tgtcttatgc ctgtgtcata ctcttctatt ttggggttga tatccctgga
                                                                      660
aagtacttaa taggcatcgt gctgttgggg ggaaatcgtg ccagtatgtg gaagggaagc
                                                                      720
                                                                      780
caaaatggga aggaggaagg ctgttcgaat tcctncccgc aacctggcac tccagggcaa
gcccttccng ttaantcaca gnacaaatgt taaacccttt caagggcntt tccacaggag
                                                                      840
                                                                      856
ggaaaccgtt ttgcct
```

```
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(321)
<223> similar to gil016712 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

<400>						
cccacqcqtc	cgcgactcgg	gaatcttcgg	ccgaggctcg	gcaatccccc	catcctccgt	60
caccagggag	tacaqqaatc	cgccgtttgc	gctgaggcaa	tggcggcagc	tgcgccggtg	120
accacaasca	acgatgagcg	gcggcggcgg	ccqqqqqctg	actccatcag	cagctatgaa	180
accedatica	ccaccctasa	gcaggagcga	cagcagcagc	agcaggactg	tgaggagaag	240
gcccagacca	tagaccacct	gaagcagctg	ctateceaaa	cctaccccct	ggactccctg	300
gagegggage	tagaaaaaaa	tgggattggg	atgacttccc	tactacccta	ggatttggaa	360
gagaagcaga	Lygaaaayyt	cyggactggg	atagtestaa	aatacaaaac	acceaceat	420
gaatgttgag	gactgtggat	gtcccattcc	ctggtcatgg	ggtgtggggt	atactacata	480
gattctagga	atagcacaga	gttaccaggt	gttgttgaga	gettggetet	gractecata	. 540
gggtcctggc	ttgcccctta	ttagtgggtg	accaagttcg	cttageteca	aaactaactt	
aagttatgta	gagggaaggg	aacttacact	taagggtaac	aaaaaaaatt	cttactgtta	600
	acttctggtg					·626

```
<210> 1800
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(112)
<223> similar to gi34276 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1800
atactactat ttgtttaaaa tggaaaaata ttgaaacctt tacttgtgat acacagaata
                                                                 60
ttacctacag atttcagtgt ggtaagaata taacattgac cagagaattt ttttttgtgg
                                                                120
cacaatgttg ttctagatat tatttaatct tactctctgc cctttctctc ttcctccctg
                                                                180
                                                                240
cetetettgt tetecetetg titggetttt tietttettg tettittett gggetgtggt
                                                                300
aatacttttc atgaaaaata aatatctaaa aattgaaagt caattaattt acaataattt
                                                                360
                                                                420
tcttggcaat tgttatacac aggcattgtt gaagagatca tgaaagaagg gtgttataag
                                                                480
gaaatgataa tacacaaact ctgttatgaa gtaaggaaaa aaaatacagg attgtatggt
                                                                540
tcaagagttt actttttcca tcctgcatca acaaaattca tacacaagtt caagaacact
                                                                600
taaataagaa gaaagcagaa aaagaacagc aagtgcatct agggatatgt ttggatttga
                                                                660
attgaggcaa ctaataattg agatgatagt atttttaaag tgtatttgaa tttaatgagg
                                                                679
tgaactctcc caccctttg
```

```
<210> 1801
<211> 1225
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(1221)
<223> similar to gi1017722 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1801
cccacgegte egtggcaaag ettttaagtg gteetcaaag ettaetgaac ataagataac
                                                                       60
                                                                      120
tcatactgga gagaaaccct acaaatgtga agaatgtggc aaagctttta accatttctc
aatccttacc aaacataaga ggattcatac tggagagaaa ccctacaagt gtgaagaatg
                                                                      180
tggcaaaget tttacccaat ceteaaacet tactacacat aagaaaatte atactggaga
                                                                      240
gaaattctac aaatgtgaag aatgtggcaa agcttttacc caatcttcaa accttactac
                                                                      300
acataaaaaa attcatactg gaggaaaacc ctacaaatgt gaagaatgtg gcaaagcctt
                                                                      360
taaqtactcc tctaccctta ctaaacataa gagaattcat actggagaga aaccctacaa
                                                                      420
atgtgaagaa tgtggcaaag cettcaagcg gtettcagac ettactacge ataagataat
                                                                      480
tcatactgga gagaaaccct acaaatgtga agaatgtggc aaagctttta agtactcctc
                                                                      540
taaccttact acacacaaga aaattcatac tggagagaga ccctacaaat gtgaagaatg
                                                                      600
tggcaaagcc ttcaaccagt cctcaatcct tactacacat aagagaattc atactggaga
                                                                      660
                                                                      720
gaaattctac aaatgtgaag aatgtggcaa agcetttagg cagtcetcac acettactac
acataagata attcatactg gagagaaacc ctacaaatgt gaagaatgtg gcaaagcttt
                                                                      780
taacaagtcc tcacacctta ctagacataa gagcattcat actggagaaa aaccctacca
                                                                      840
                                                                      900
gtgtgaaaaa tgtggcaaag cttctaacca atcctcaaac cttactgaac ataagaatat
tcatactgaa gagaaaccat acaaatgtga agaatgtggg aaagccttta accagttctc
                                                                      960
                                                                     1020
aaaccttact acacataaaa gaattcatac tggagagaaa ccctacaaat gtgaagaatg
tggcaaagct tttaaccagt cctcaatcct tactacacat aagagaattc atactggaga
                                                                     1080
gaaatcctac aaatgtgaag aatgtggcaa agctttctat cgatcctcaa aacttactga
                                                                     1140
                                                                     1200
acataaqaaa attcatactq qaqaqaaacc ctacacatgt gaagaatgtg gcaaagcctt
                                                                     1225
taaccattcc tcacaccttg ctaca
```

```
<210> 1802
<211> 1236
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (367)...(1237)
<223> similar to gi2981221 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1802
                                                                       60
ctgattgaca tctttgccat tctaaatgtt tatcaggagg gtgacccgag acagagaacg
ctgctggatc ctgggaggtt cagcatggtg tctagtccag ctcccatgga gggtggggaa
                                                                      120
                                                                      180
caagaacaag aacttctagg tcctaaacta caagaggacc aagaagagga agtagttgaa
                                                                      240
aatgatgagg agatageett tteaggeaag gacaageeag etteagagaa tagtgaggag
aagctgatca gtaagtttga caagcttcca gtaaagatcg tacagaagaa tgatccattt
                                                                      300
gtggtggact gctcagataa gcttgggcgt gtgcaggagt ttgacagtgg cctgctgcac
                                                                      360
tggcggattg gtgggggga caccactgag catatccaga cccacttcga gagcaagaca
                                                                      420
gagetgetge etteceggee teaegeacee tgeceaceag ecceteggaa geatgtgaca
                                                                      480
acagcagagg gtacaccagg gacaacagac caggaggggc ccccacctga tggacctcca
                                                                      540
                                                                      600
gaaaaacgga tcacagccac tatggatgac atgttgtcta ctcggtctag caccttgacc
                                                                      660
gaggatggag ctaagagttc agaggccatc aaggagagca gcaagtttcc atttggcatt
                                                                      720
agcccagcac agagccaccg gaacatcaag atcctagagg acgaacccca cagtaaggat
                                                                      780 ·
qaqaccccac tgtgtaccct tctggactgg caggattete ttgccaagcg ctgcgtctgt
                                                                      840
qtqtccaata ccattcgaag cctgtcattt gtgccaggca atgactttga gatgtccaaa
                                                                      900
cacccaggge tgctgctcat cctgggcaag ctgatcctgc tgcaccacaa gcacccagaa
cggaagcagg caccactaac ttatgaaaag gaggaggaac aggaccaagg ggtgagctgc
                                                                      960
aacaaagtgg agtggtggtg ggactgcttg gagatgctcc gggaaaacac cttggttaca
                                                                     1020
ctcgccaaca tctcggggca gttggaccta tctccatacc ccgagagcat ttgcctgcct
                                                                     1080
gtcctggacg gactcctaca ctgggcagtt tgcccttcag ctgaagccca ggaccccttt
                                                                     1140
tccaccctgg gccccaatgc cgtcctttcc ccgcagagac tggtcttgga aaccctcagc
                                                                     1200
                                                                    . 1236
aaactcagca tccaggacaa caatgtggac ctgatt
```

```
<210> 1803
<211> 144
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(9)
<223> similar to gi2047349 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1803
ttttttttt ttccttaaac ccccgtttt tccttggaaa acaaaagggg ggcccaattt
acctttttac ttggtttggg ggcccaaacc ctggaagggt ttttaagaaa aacccttctt
tttttggccc cagggggaag ggga
120
```

```
<210> 1804
<211> 1438
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2)...(531)
<223> similar to gi3645961 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1804
tgctttgcaa atctgcctga cacatcctga gctgcagaat gaaatttgct gtcagcttat
                                                                       60
taaacagaca agacgaagac agccacagaa tcaaccagga ccattgcagg gctggcagct
                                                                      120
cttggcactc tgcgttgggc tcttccttcc ccatcatcct ttcctgtggc tcctcaggct
                                                                      180
                                                                      240
tcacctaaag aggaatgcag attccaggac agaatttgga aaatatgcca tttactgcca
                                                                      300
gcgttgtgta gaaagaacgc aacaaaatgg tgacagagaa gcaagaccct caaggatgga
aattetttea actettetee gaaaceetta teaceattet ttgecettta gtatacetgt
                                                                      360
gcacttcatg aatgggatat accaggtagt tggttttgac gcatctacca cagtggaaga
                                                                      420
                                                                      480
atttttgaat actttgaacc aggacacagg aatgaggaaa ccagcgcagt ctggatttgc
                                                                      540
qttqttcact gacgatcctt ctggcagaga tttagagcat tgtcttcaag gaaacatcaa
ggtgaaacca agtccttttc aggagccaag cccaacgaac agcaaagaag ctactcttta
                                                                      600
caagaagagt aaactttgca agaagtttaa ttcaggagtt ttccaaaact ttaaccaatc
                                                                      660
taatctccac gataagaaaa aaaaaatgca ggactttgtt aaacccatag aattcttaat
                                                                      720
                                                                      780
acacaatctc tacatataca cattccatat taaagagagg aaaggggtta gtaatggaaa
tgatactcta agtattagga taataagggt agatatgtag aagtgctaat aaaatggctt
                                                                      840
tocatttttt tocatttatt cagcaatact tactaagcta ttttattgta toccaggggc
                                                                      900
tggctggact catgtgggga atacaaaagg accagaaata gtccctgccc acagtgaact
                                                                      960
taaaatttgc ttacggaaga gcagctttat acacagataa ccttgaacta gggttgaaag
                                                                     1020
tgatgaaagt tttgagagtg ctgtgaactt tgcacagaaa gagagagttt aagttcagca
                                                                     1080
ttgggaagtt tagggaaagg ccctgagctg gaaatgaaaa atggtttagg aaacagacct
                                                                     1140
                                                                     1200
gtgtcccggg tgcagtggct tacgcctgta atccaagcac tttgggaggc cgggtcaggt
ggatcatttg aggccaggag tttgagacca gcctgggcag catggcaaaa acccatctct
                                                                     1260
                                                                     1320
actaaaaata caaaaattag ccaggcatgg tgccacacac ctgtagtccc agctactctg
gaagetgagg cactagaate tettgageee atgaggtega ggetgeagtg ageegtgate
                                                                     1380
acgccactgc actccagcct gggtgacaga gcaagactgt ctcacaaaaa aaaaaaaa
                                                                     1438
```

```
<210> 1805
<211> 673
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(674)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5)...(673)
<223> similar to gill09854 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1805
ggaattcccg gtgcgcaggc agggcaacta cctgctgtgc tcactgctgc tgggcaacgt
                                                                       60
getggtcaac accaegetca ceatectget egacgacate geeggetegg geetegtgge
                                                                      120
cgtggtagtc tccaccatcg gtatcgtcat cttcggagag atcgtgcccc aggccatctg
                                                                      180
ctcccggcat ggcctggctg tgggggccaa caccatcttc ctcaccaagt ttttcatgat
                                                                      240
gatgacette eccgetteet acceggteag caagetgetg gactgegtee tgggeeagga
                                                                      300
                                                                      360
gataggcacc gtctataacc gggaaaaact gctggagatg ctccgggtca ccgatcccta
caacgacctc gttaaggagg agctgaacat catccaaggg gcgctggagc tccgcaccaa
                                                                      420
gacggtggag gacgtgatga ccccactccg ggactgcttc atgatcaccg gcgaagccat
                                                                      480
cctggacttc aacaccatgt ctgagatcat ggagagcggc tacacccgca ttccagtgtt
                                                                      540
tgaaggggag cgctccaata tcgtggacct gctgtttgtc aaagacttgg ccttcgtgga
                                                                      600
tecegatgae tgtaceegee tgaaaaceat caccaaatte tataaceace enetageact
                                                                      660
                                                                      673
gtgctgtcaa tga
```

```
<210> 1806
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(555)
<223> similar to gi940860 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1806
                                                                       60
ctccgcgctg caggaattcg gcacgagtgg cagacacatt ctacaccaat gctggctgca
                                                                      120
ccctggtagc cttgaacccc ttcaagcctg ttcctcagct ctactcgccc gagctaatga
gagagtacca tgctgcgcct cagccccaga aactgaagcc ccacgtgttc actgtgggtg
                                                                      180
aacagaccta caggaatgtc aagagcctga ttgaaccagt caaccagtct attgttgtca
                                                                      240
                                                                      300
gtggagagag tggtgctgga aagacatgga cgtctcgctg cctaatgaag ttctatgctg
                                                                      360
tggtggccac ctcacctgca tcttgggaga gccacaagat tgcagagagg atagaacaga
ggatcctgaa ctccaaccct gtcatggaag cttttgggaa tgcgtgtaca ctgaggaata
                                                                      420
                                                                      480
acaacagcag tcgctttggg aagttcatcc agctccagct gaacagggct cagcaaatga
                                                                      540
ctggagccgc agtccagacc tacctcctag agaaaactcg agtggcctgc caggcttcca
                                                                      600
gtgagaggaa caaggaccct atcccacctg agctgaccag gctcctgcag caatcccagg
```

```
<210> 1807
<211> 364
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (1)...(365) <223> similar to gi498725 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1807
aaategeaac ttatgtgea acaaatgtat atgggegaaa aaccetttgg atgeagetgt 60
tgtgagaaag cetteageaa caagteatac ettetagtge ateageaaac teatgeegaa 120
gagaaaccet atggttgtaa tgaatgtggg aaagaettea gtagtaaate ataceteatt 180
gtacateaga gaatteatac aggagagaaa etacatgaat geagtgaatg eaggaaaaca 240
tteagtttee atteaeaget tggtataeat eagagaatte acaeaggtga gaateeetat 300
gagtgetgtg aatgtggaa agtetteagt aagaaagaee agettgtte acaecagaaa 360
actt
```

```
<210> 1808
<211> 579
<212> DNA
<213> Homo sâpiens

<220>
<221> misc_feature
<222> (6)...(579)
<223> similar to gi3413886 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1808
ggcacgagga tgagaaagac aagggggccc tagacaacct gctctcccag cttattgctg
                                                                       60
agttgggtat ggataaaaag gatgtctcca agaagaatga gcgcagcgcc ctgaatgaag
                                                                      120
tecatetggt agtaatgaga eteetgagtg tetteatgte eegeaceaaa tetggateea
                                                                      180
                                                                      240
agtettecat atgregagica tettecetea tetecagige cacageagea getetaciga
                                                                      300
getetgggge tgtggaetae tgeetgeaeg tgeteaaate actgetggaa tattggaaga
gccaacagaa tgacgaggag cctgtggcta ccagccagtt gctgaaacca catactacct
                                                                      360
cctccccacc tgacatgage ccattettte teegecagta tgtgaagggt catgetgetg
                                                                      420
atgtgtetga ggeetataet eagettetaa eagaaatggt aetgaggett eettaceaaa
                                                                      480
                                                                      540
tcaaaaagat tactgacacc aattetegaa teecacetee tgtetttgac caatcaaagt
                                                                      579
tttactttct ctccgagtac ctcatgatcc agcacgaaa
```

```
<210> 1809
<211> 1327
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

```
<222> (677)...(1329)
<223> similar to gi3327154 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1809
tgatagacat gttgagaccc tttgtattca ttttcttgga cccagcactg gcagtacagc
                                                                       60
aaagacgggg ggccgtaact ggctgaagac tggcaactgc ctctatggaa acacatgtag
                                                                      120
attcgtacat ggcccttcac ctcgtggtaa aggttatagc agcaattata gaaggtcacc
                                                                      180
agaaagacct acaggggatc ttagagaaag aattaagaac aagcgccaag acgtggacac
                                                                      240
tgagececag aaacgaaata cagaggagte ateeteaeet gttaggaaag aatetteaag
                                                                      300
agggagacat agggaaaagg aagacataaa aatcactaag gaaagaactc cagaaagtga
                                                                      360
agaagaaaat gtagaatggg aaactaatag agatgattct gacaatggag atattaatta
                                                                      420
                                                                      480
tgattatgtt catgaattgt cattggaaat gaagcgtcag aagatacaga gggaattaat
gaagetggaa caagaaaaca tggagaagag agaagaaatt atcattaaaa aggaggtttc
                                                                      540
                                                                      600
accagaagtg gttagatcaa aattgtcccc gtcaccttct ctaagaaagt ctagcaaatc
                                                                      660
tccgaagcga aaatcaagcc cgaagtcgtc ttcagctagc aagaaagata ggaagacatc
                                                                      720
tgcagtatct tctcccctgt tggaccagca gagaaattca aaaaccaacc aaagtaaaaa
gaaaggacca cgtactccta gtccaccccc tcctatacca gaagatatcg ctctggggaa
                                                                      780
                                                                      840
aaaatacaaa gaaaaatata aagtaaaaga caggatagaa gaaaaaacaa gagatggaaa
ggacagagga cgagattttg aacgacaaag agaaaagaga gacaagccaa ggtctacttc
                                                                      900
cccagcagga cagcatcatt ctcctatatc ttctagacat cactcatctt cctcacaatc
                                                                      960
                                                                     1020
aggatcatet atteaaagae atteteette teetegtega aaaagaaete etteaeeate
                                                                     1080
ttatcagegg acactaacte cacetttacg aegetetgee teteettate etteacatte
                                                                     1140
tttgtcgtct ccccagagaa agcagagtcc tccaagacat cgctctccaa tgcgagagaa
agggagacat gatcatgaac gaacttcaca gtctcatgat cgacgccacg aaaggaggga
                                                                     1200
                                                                     1260
agatactagg ggcaaacgag acagagaaaa ggactcaaga gaagaacgag aatatgaaca
                                                                     1320
ggatcagage tettetagag accaeagaga tgacagagaa cetegagatg gtegggateg
                                                                     1327
gagagaa
```

```
<210> 1810
<211> 1632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (404)...(1379)
<223> similar to gi3417386 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 1810
    acagaaaacc ctgaaaaacc tatgacatga tcaccagttt cactggactg actattagga 60
    atttgggcct ggaagacaac aattcagttc gagattctgg tacacaagcg tgtgagcgtc 120
    ccccaaggct agtgtggca tggcccctga ggtgagcacg gactcattcc ctgtggtgag 180
    cgtggacgtg tcgcctgtgg tgagcacata tgattctgag atgagcatgg acgcatcccc 240
    cgagttgagc atagaagcac tcccgaaggt ggacctggaa acagttcca aggtgagcat 300
    agtagcatcc ccggaggcga gcctggaagc acccccggaa gtgagtctgg aagcactgcc 360
```

```
420
agaggtgagc gtggaagcag ccccagaggg gagcctggaa gcacctccca aggggagcgc
agaagtagcc cccaaggaga gtgtgaaagg gtcacccaag gagagcatgg aggcatctcc
                                                                      480
                                                                      540
tgaggcgatg gtgaaagcat cccccaagac atcccttgaa gcaagcatgg aagcatctcc
                                                                      600
caaggcaaaa gcgagagacg ctccaaagaa atcagaaatg gacaaacagg ccttaatccc
                                                                      660
tattgccaag aagcgtctat catcatacac tgagtgttat aaatggtcat catctcctgc
                                                                      720
aaatgettgt ggtetgeegt eteceateag cactaacagg caaatecaaa agaactgeee
                                                                      780
tccatcacca ttaccactta tttcaaaaca gtcaccacag acttcttttc cttataaaat
                                                                      840
aatgeetatt caacacacce tgtetgtgca aagtgcatca agtactgtca aaaagaaaaa
agaaacagtt tctaaaacca ctaacagatg tgaggctttg agccaaaggc atatgatcta
                                                                      900
tgaagagtet ggtaataaga gtaetgeagg tattatgaat geegaggegg caacaaaaat.
                                                                      960
                                                                     1020
tttgacagaa ttgcgccgcc ttgctcgtga acaaagagat aaagaggaag aagaaagaca
                                                                     1080
acgggaagaa atgcagcaaa gggtcattaa gaaatcaaaa gacatggcaa aggaagcagt
                                                                     1140
tggaggccaa gcagaagacc acttgaaact caaagatggg cagcaacaaa atgagactaa
                                                                     1200
aaagaagaaa ggatggctgg atcaggaaga ccaggaagca ccactgcaga aaggggacgc
caaaataaaa gctcaagagg aagctgacaa acgcaagaaa gaacacgaga gaattatgtt
                                                                     1260
                                                                     1320
acaaaattta caagaacggt tagaaaggaa aaagagaata gaagaaatta tgaagcggac
                                                                     1380
aagaaagaca gatgtgaatg cctcaaaggt cacagaaaca tccagccatg acatatatga
agaggetgag getgacaacg aagaaagega caaggactca ttgaatgaaa tgtttccatc
                                                                     1440
agecatteta aatggeacag geteacetae caaatttaaa atgeegttea acaatgeeaa
                                                                     1500
gaaaatgaca cacaagctgg tatttctaga agatggtacc agccaggtcc gtaaagagcc
                                                                     1560
                                                                     1620
aaaaacatat tttaatggcg atttgaaaaa cttcagacaa aaaagcatga aagacacttc
                                                                     1632
aatacaggaa gt
```

```
<210> 1811
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(472)
<223> similar to gi798832 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1811
ccgtcacate ccccgccage ttgtagatge ctggattgag atgggcagee ggetggatge
                                                                       60
tegteagete attectgeee tegtgaacta cagecagggt ggtgaggtee ageaggtgag
                                                                      120
                                                                      180
ccaggccatc cgctacatgg agttctgcgt gaacgtgctg ggggagactg agcaggccat
                                                                      240
ccacaactac ctgctgtcac tgtatgcccg tggccggccg gactcactac tggcctatct
                                                                      300
ggagcagget ggggccagee eccacegggt gcattacgae etcaagtatg egetgeget
etgegeegag catggeeace acegegettg tgteeatgte tacaaggtee tagagetgta.
                                                                      360.
                                                                      420
tgaggaggcc gtggacctgg ccctgcaggt ggatgtggac ctggccaagc agtgtgcaga
                                                                      470
cctgcctgag gaggatgagg aattgcgcaa gaagctgtgg ctgaagatcg
```

```
<210> 1812
<211> 420
```

```
<213> Homo sapiens
     <220>
     <221> misc feature
     <222> (82)...(211)
     <223> similar to gi5163412 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1812
ctcagggatt gaggatggta ttcccagggc tttagggctt aggcctattg gggaaggaaa
                                                                       60
acaccatggc tcaccatcag ctctttctgg cctacaccag gatctcccta ctacgataat
                                                                      120
gtecgtecae tetgetacag egacteggat geagtattae tatgttttga cateageegt
                                                                      180
ccagagacag gggacagcgc actcaagaag gtaagactag atcaactctc taatctctaa
                                                                      240
                                                                      300
ctcaqcatqa qqaccaaqaa qqaatcqqqa ccttqtcatq aatgccctct tgtataacat
caaqaaatqq aaqccaqqqa aggaagagat ttgcccaagg ccacaccatt agctacagct
                                                                      360
ctgggactgg aacttgggtc tccttacccc actgcctccc gccctttttg ttatcccatg
                                                                      420
     <210> 1813
     <211> 414
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1) . . . (133)
     <223> similar to gi805095 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1813
tatacactac gragecatta tgatggagca cgggcattaa cttttcatcc tgaagaacct
                                                                       60
gggctgggta ctgcttctga ggaccatacc ctgaaacttt ggaacctgca aaaaacaggt
                                                                      120
                                                                      180
cctgccaaaa agcaagtatt ttagtgttag cctggtgtat ttcttccaat tttgctaata
                                                                      240
taagcaatta tteeteatta ttgatgeatg tetttaatge acacatttga tetagtgaet
                                                                      300
atttaatatc aaccagegat tcatagttat ttaaatgeet tetetteece taccettttt
ccccctcttt taagagtgcc tctttagatg tagagcctat ctacacattt agggcccaca
                                                                      360
                                                                      414
tgtaagtttt actgagttgg ggtttaatta acatcatcat tattgttaaa tatt
     <210> 1814
     <211> 591
```

<212> DNA

<212> DNA

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (21)...(516)
<223> similar to gi3724105 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

```
<400> 1814
aqactqccgc agcgactcat cctatcgata aggttcagtt agccaaggtg gaggatggga
                                                                       60
aaagaatgga actgtcccag ctactcaatg agatcagggc aaactatgaa aagatcctca
                                                                      120
ccagaaatca gatagagacg gtgctctcaa caaggatcca gctagaagaa gacataagca
                                                                      180
aaaaaatgga caaagatgaa gaggctttga aggcagctca agcagaactc aaggaggccc
                                                                      240
                                                                      300
gacgccagtg gcaccacctg caagtggaaa ttgaatctct ccatgctgtg gaaaggggcc
ttgaaaactc cctacatgcc agcgagcagc attaccagat gcagctgcaa gacctagaga
                                                                      360
                                                                      420
ctgtgattga aggactagaa aaagagctac aggaagtaag gcgcggcatc gaaaagcagc
                                                                      480
ttcaagagca cgagatgctt ctcaacacga agatgaggct ggaacaagaa atagcaactt
                                                                      540
atogocacot cotagaaaaa gaagaaatoa gatattatgg tigtatocaa ggigggaaaa
                                                                      591
aaagacaaaa agcctaccac aagtagagtt ggttttgttt taccatcacc c
```

```
<210> 1815
<211> 401'
<212> DNA
<213> Homo sapiens
<220>_
<221> misc_feature
<222> (6)...(404)
<223> similar to gi6018323 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

```
<400> 1815
ggcgctacca tgggccaaca tttgccaagg ctgctcagga ttactgtggc atggcttggt
                                                                       60
eggtactaac teagagatte aagaatggee tetttteate acatgeagat gageategae
                                                                     120
tcaaatatca gtgttttaaa tcggcttgga tgtaccaagt cttacatgaa ggattccact
                                                                      180
                                                                      240
ttccctatga ctacccaaac ctgcggacag cccagctggt gtatgaccga gaggttcagt
ggacgctggg agccattcta tataaaacac gattcttacc actcagggat cttcggcagg
                                                                      300
aaggtgtccg acaagcccat ggtagctggt tccgtctctc ctttgtatac aaccactatc
                                                                      360
                                                                      401
tettetttge etgtateetg gaggggetae tggeeatett e
```

```
<210> 1816
<211> 1386
<212> DNA
```

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (1267)...(790)
<223> similar to gi3043568 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1816
60
attttgatgt tttaaaaatc ctaaatggtt taaaggactt accgagactt gattaaccca
                                                                   120
qtttttaaaa taaaaaatca aattataaat ttattttata aaaataactg ccagttttgc
                                                                   180
atagtaatat agtaacaaat caacactett caaagtttaa aggaaaaggg aagetggtat
                                                                   240
tggtttctgt ctgaagtcag atctaacttt tacgaagaca atagtttcag atcagaatca
                                                                   300
                                                                   360
aataaattte agaactcagt ttgagagaaa aggaaaaact ttagttaaaa tetttacaat
aaaataatta tgactataaa tctctttagt taaatatgta cacattacat ggtatttgta
                                                                   420
                                                                   480
taaagaatgg aaatggataa agtttttcag gcaaatctaa tgcacaaata caccatcttt
                                                                   540
tagagtataa tgtcagttta tcattcgtta acagctgtgt tagacagtgg ctctgctttg
tgcaaaacgt gataaacaaa attaggaaaa attctgcaaa attatttagt tccccaagga
                                                                   600
aattactaaa atagaaaatg gcaaaagaaa aaaaggttgc acactgaagc ttgattgtat
                                                                   660
actcaggcta caatgaccag cactgatgta acccccatat ctgctaagtc cttgggtagc
                                                                   720
                                                                   780
tttagtctga agtaaaaact gaagtcctag caattgtgct ttttatgcag ccacatggcc
aataaggtag atattgtcat aaagatgccc tacaaaatct tcactaatat tttgagcagc
                                                                   840
                                                                   900
qcqacqqqta tttcqaataa attccctttt tgacatttta ttcttcacat gagggctagt
gaggtcaatg gaaagtagaa tcaaagagta gcacagtaca tagacagcat caggactaag
                                                                   960
qccaagttct cgcattaaat cagggttgca agcacagaat ctatgtgaga actttgttat
                                                                  1020
aagagtttca agatactctc cacgctcttc aggggcatgg atatgacgaa aaaattctct
                                                                  1080
cagtgcattt ggcaagaact gatttctaaa attatgcaat gttacaaggt catccaagac
                                                                  1140
atctctcctt tcatcaagat agattctcag ttttttccaa tttagtgttc ttgtacagaa
                                                                  1200
gataaacttt gctatttcct ttggcgaatc atccaggata cccttggaca taaagtagtt
                                                                  1260
cacteccaca aactgtgcag atgttetece ceaececatg agecactgce ageagetget
                                                                  1320
qtqqaqcttq qttacccata tccgtgacat gaacgcctcg tgccaagctt ggcgtaagga
                                                                  1380
                                                                  1386
ggttct
```

```
<210> 1817
<211> 653
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (28)...(621)
<223> similar to gi4650844 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1817
tccgaaactc tccgatgaac accacgccaa gcttggcacg agggtgaaga ctttgtaagt 60
gtatcaccgc agcacctcca taagcttttg tcctccagtg atctaaatat tgaaaatgaa 120
aagcagggct ataatgctgc catcaagtgg cttcttgcca atcctcagca tcattccaaa 180
```

```
tggttggatg aaacacttgc acaggttcgc ctgccattgt tgccggttga ttttcttatg
                                                             240
ggtgttgggg caaaagaaca gattgtcaag caaaatctaa aatgtagaga tttactggat
                                                             300
                                                             360
atteggaeta ecceaaggaa geataetget ggtgtgetgt tttgtgtaag tggtegaggt
                                                             420
ggatctggtg acccctttcg cagtattgaa tgctattcta tcaacaaaaa cagttggttc
                                                             480
tttggaccag aaatgaatag tcgaaggcga catgtgggtg taatctctgt ggaaggtaaa
                                                             540
                                                             600
gtgtatgcag taggtggaca tgatggaaat gaacatttag ggagtatgga gatgtttgat
cctctcacta ataaatggat gatgaaggca tcaatgaaca caaagaggta gag
                                                             653
```

```
<210> 1818
<211> 801
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(482)
<223> similar to gi3717258 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1818
ggaaagtcta aatgctgtaa ctagcaattg gcaaaagcaa gtggacaagg cattggagaa
                                                                       60
                                                                      120
actcagagac ctgcagggag ctatggatga cctggacgct gacatgaagg aggcagagtc
cgtgcggaat ggctggaagc ccgtgggaga cttactcatt gactcgctgc aggatcacat
                                                                      180
                                                                      240
tgaaaaaatc atggcattta gagaagaaat tgcaccaatc aactttaaag ttaaaacggt
gaatgattta tecagteage tgtetecaet tgacetgeat ecetetetaa agatgteteg
                                                                      300
ccagctagat gaccttaata tgcgatggaa acttttacag gtttctgtgg atgatcgcct
                                                                      360
taaacagett caggaageee acagagattt tggaecatee teteageatt ttetetetae
                                                                      420
gtcagtccag ctgccgtggc aaagatccat ttcacataat aaagtgccct attacatcaa
                                                                      480
gtaagttgat tttaattctc ctttatgata ccaagaaaat catgttttat tgataactta
                                                                      540
                                                                      600
agaggettet ecceecataa ettttaaaaa tagaatteag teetattate tgaaagaaac
                                                                      660
tgtgatatag ttaatattaa aaagaaacta cttttaacat gagaattata tttttcatgt
atcagattag ggatataggt gtgtttagct gatatatttt aaagtagaga tttaaatatt
                                                                      720
                                                                      780
tggagacaga caataagcta tgatggccgt actgtattcc agcctggaca acaaagcaag
                                                                      801
atccagtctc taaaaagtaa a
```

```
<210> 1819
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (259)...(841)
<223> similar to gi5922723 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1819
caqcacacag aattaaaata cagacattta atagatatga tttgcagatt ccagaattgt
                                                                       60
gttttaatat catgetttte acagtaagte atattaacae etecttetta atattacaea
                                                                      120
gttgtgacac ctagtctctt ggctaattgc tgggttctga aattttcaat agataaattt
                                                                      180
                                                                      240
tatatatttg tacctatgag tgtattatat tgcctattct gttattctga atcactaaac
taatgtatat gggatattca gcaatactta aacagaagac gacaaaatga aataatggcc
                                                                      300
aaaatccaaq caqctattat acagattcct aaacctgcat caaatcgtac tttgaaagca
                                                                      360
ctcgaggccc aaaaaatgat gaaaaagaaa aaagaggcag aagatgtggc tgatgaaatt
                                                                      420
aagaagttcg aagcattaat aaaaaaggat ctccaagcaa aagaaagtgc atccaagact
                                                                      480
                                                                      540
tctttagata cagcaggcca gacaaccacc gatttgttaa atacttactc agatgatgag
tacattaaaa aaatccagaa gcgccttgaa gaagatgctt ttgcacgaga gcaaagggag
                                                                      600
aaaagacggc ggaaattgtt aatggaccag ttaatagccc acgaagcaca agaggaggct
                                                                      660
tatcgggagg aacagctgat taaccggctg atgcggcagt cccagcagga gcgcaggatt
                                                                      720
gccgtgcagc tcatgcatgt tcggcatgaa aaggaagttt tatggcaaaa cagcattttc
                                                                      780
                                                                      840
agagaaaatc aacatgagga aagacgaaat aaagatttcc aggatgctct tgatcgagaa
```

```
<210> 1820
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (315)...(540)
<223> similar to gi2749752 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1820
aaaagcggcg cggctcgttc aagatggcgg agctcgacca gttgcctgac gagagctctt
                                                                       60
                                                                      120
cagcaaaagc ccttgtcagt ttaaaagaag gaagcttatc taacacgtgg aatgaaaagt
acagttettt acagaaaaca eetgtttgga aaggeaggaa tacaagetet getgtggaaa
                                                                      180
                                                                      240
tgcctttcag aaattcaaaa cgaagtcgac ttttttctga tgaagatgat aggcaaataa
atacaaggtc acctaaaaga aaccagaggg ttgcaatggt tccacagaaa tttacagcaa
                                                                      300
                                                                      360
caatgtcaac accagataag aaagettcac agaagattgg ttttcgatta cgtaatctgc
                                                                      420
tcaagettée taaageacat aaatggtgta tataegagtg gttetattea aatatagata
                                                                      480
aaccactttt tgaaggtgat aatgactttt gtgtatgtct aaaggaatct tttcctaatt
                                                                      537
tqaaaacaaq aaaqttaaca aqagtagaat ggggaaaaaat tcggcggctt atgggaa
```

```
<210> 1821
<211> 436
<212> DNA
<213> Homo sapiens
```

```
<220>
    <221> misc feature
    <222> (1) . . . (437)
    \langle 223 \rangle n = a,t,c or g
    <220>
    <221> misc feature
    <222> (219)...(430)
    <223> similar to gil63078 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 1821
aaagettage atgtagtttg gegttaaatt taagatgttt taaaaactgt ttttttctca
                                                                    60
                                                                    120
tacnggaggt totatatttt taatgatgtg gaaaaactaa gttaagttgt ctttccagag
                                                                    180
tcaaaaggaa ttaaggtcat tataatccag taagagttag ttttcagcag gcacaaggat
gaaggtgtaa gtactacgag ggagggactt ggatgcacaa ggagggagaa ggagggaggg
                                                                    240
300
                                                                    360
aaggaggag ggaagaggag ggagaaggaggaaga ggagggaaga ggagggaaga
ggagggagaa ggagggaggc aagaggaggg agaaggaggg aggaggg agggaagagg
                                                                    420
                                                                    436
agggagaagg agggag
     <210> 1822
     <211> 659
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(660)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (1)...(659)
     <223> similar to qi473969 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1822
                                                                     60
tetetetttg ccagtaatgt tggaagtgga cattteattg geetggeagg gteaggtget
gctacgggca tttctgtatc agcttatgaa cttaatggct tgttttctgt gctgatgttg
                                                                    120
                                                                    180
geotgggtet tectacecat ctacattget ggteaggtea ccaegatgee agaataceta
                                                                    240
cggaagcgct tcggtggcat cagaatcccc atcatcctgg ctgtactcta cctatttatc
tacatettea ceaagatete ggtagacatg tatgegggtg ceatetteat ceageagtet
                                                                    300
                                                                    360
ttgcacctgg atctgtacct ggccatagtt gggctactgg ccatcactgc tgtatacacg
                                                                    420
qttqctqqtq qcctqqctqc tgtgatctac acggatgccc tgcagacgct gatcatgctt
```

ataggagege teacettgat gggetacagt ttegeegegg ttggtgggat ggaaggactg

```
aaggagaagt acttcttggc cctggctagc aaccggagtg agaacagcag ctgcgggctg 540 ccccgggaag atgcctttca tatttttcga gatccgctga catctgatct cccgtggccg 600 ggggtcctat ttggaatgtc catcccatcc ctctggtact ggngcacgga tcaggtgaa 659
```

```
<210> 1823
<211> 2024
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2025)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (20)...(793)
<223> similar to gi4589640 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1823
                                                                       60
cgacccacgc gtccgctttg ttcctcgaac ttggatcttt cctgctgaat atactcaatt
                                                                      120
ccaaaattat gtgaaagaat tgaagaaaaa acggaagcag aaaactttta tagtgaaacc
agctaatggt gcaatgggtc atgggatttc tttgataaga aatggtgaca aacttccatc
                                                                      180
                                                                      240
tcaggatcat ttgattgttc aagaatacat tgaaaagcct ttcctaatgg aaggttacaa
                                                                      300
gtttgactta cgaatttata ttctggttac atcgtgtgat ccactaaaaa tatttctcta
ccatgatggg cttgtgcgaa tgggtacaga gaagtacatt ccacctaatg agtccaattt
                                                                      360
                                                                      420
gacccagtta tacatgcatc tgacaaacta ctccgtgaac aagcataatg agcattttga
                                                                      480
acgggatgaa actgagaaca aaggcagcaa acgttccatc aaatggttta cagaattcct
                                                                      540
tcaagcaaat caacatgatg ttgctaagtt ttggagtgat atttcagaat tggtggtaaa
gaccctgatt gtagcagaac ctcatgtcct gcatgcctat cgaatgtgta gacctggtca
                                                                      600
                                                                      660
acctccagga agcgaaagtg tctgctttga agtcctggga tttgatattt tgttggatag
                                                                      720
aaaactaaag ccatggcttc tggagattaa ccgagcccca agctttggaa ctgatcagaa
aatagactat gatgtaaaaa ggggagtgct gctaaatgcg ttgaagctac taaacataag
                                                                      780
gaccagtgac aaaagaagaa acttggccaa acaaaaagct gaggctcaaa ggaggctcta
                                                                      840
                                                                      900
tggtcaaaat tcaattaaaa ggctcttacc aggctcccca gactgggaac agcagagaca
ccagttggag aggcggaaag aagagttgaa agagagactc gctcaagtac gaaagcagat
                                                                      960
ctcacgagaa gaacatgaaa atccgacata tggggaatta tagaccgaat ttatcctcct
                                                                     1020
gaagataaag cattacttga aaagtatgaa aatttgttag ctgttgcctt tcagaccttc
                                                                     1080
ctttcaggaa gagcagcttc attccagcga gagttgaata atcctttgaa aaggatgaag
                                                                     1140
gaagaagata ttttggatct tctggagcaa tgtgaaattg atgatgaaaa gttgatggga
                                                                     1200
                                                                     1260
aaaactacca agactcgagg accaaagcct ctgtgttcta tgcctgagag tactgagata
atgaaaagac caaagtactg cagcagtgac agcagttatg atagtagcag cagctcttca
                                                                     1320
                                                                     1380
qaatctgacg aaaatgaaaa agaagagtac caaaataaga aaagagaaaa gcaagttaca
                                                                     1440
tataatetta aaccetecaa ceactacaaa ttaatteaac aacceagete cataagaegt
                                                                     1500
tcagtcagct gccctcggtc catctctgct caatcacctt ccagtgggga cacccgccca
                                                                     1560
ttttctgctc aacaaatgat atctgtgtca cggccaactt ctgcatctcg gtcacattcc
                                                                     1620
ttaaaccgtg cttcctccta catgaggcat ctgcctcaca gtaatgatgc ctgctctacc
                                                                     1680
aactctcaag tgagtgagtc tttgcggcaa ctgaaaacaa aagaacaaga agatgatcta
                                                                     1740
acaagtcaga ccttatttgt tctcaaagac atgaagatcc ggtttccagg aaagtcagat
```

```
gcagaatcag aacttctgat agaagatatc attgataact ggaagtatca taaaaccaaa 1800 gtggcttcat attggctcat aaaattggac tctgtaaaac aaccgaaaag ttttggacat 1860 agtgaaaaca agtattcgta cagttcttcc acgcatctgg aaggtgcctg atgttgaaga 1920 aggataattta tatcggattt tcaaccgggt ttttaatcgc ttactctgga gtcgtggcca 1980 aggntgttgg aactgtttct gtgattcagg attcctcttg ggag 2024
```

```
<210> 1824
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(207)
<223> similar to gi4107015 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 1825
<211> 826
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(827)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (38)...(735)
<223> similar to gi577299 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1825

```
cggacgcgtg ggacaagctt catcaaaccc agaagtcatc aagataaatt caattctgga
                                                                       60
                                                                      120
tatagtaaca aaagtggaaa actattatct taaaggatat attgtcgggg ctattcatcc
                                                                      180
tgttatacaa cctgtggggc agcgaaaaca cctacctgca agttacctat acagagtggt
                                                                      240
gctattgcgc ttgaaattaa gcccaaagaa ttcggcagca cccagtggac aaagacgccc
                                                                      300
aaggctcgtg attgaggaat gtcccctaac ttctgaggca caaacaaatg acgcagcaaa
                                                                      360
agaactgata gaaaagatta atgtcgctgc taaaagagga atgaaatttg ttggattcat
atcacagcat tattctccat ctaaattctg caatggaacc aaccatgatg gagatataga
                                                                      420
                                                                      480
atcgatgcta catgtgagac acggttcaga tgaaaactgt agaagttgga atgaagggac
gttaagtggg cagtcatctg aaagcggaat tgaggaagaa cttcatcatg aaagtggaca
                                                                      540
                                                                      600
gtatcaaatg gaacaaaatg gcagccctac ttcctctaaa tcaagaaagg gagaagcctc
agataacaaa ttgtatacag tcttcaatgc ttttgatgat gattcaacct cctgggccta
                                                                      660
                                                                      720
tcaggaaggc atcctgtcaa tgaaagtaac aagaaaagga tcagtcatta gtacacttga
                                                                      780
tgctgattgg ctgggagtta actacctttt attattaaac aaggcttgtc tttaatttga
                                                                      826
ttcttttgta ttctggggaa acatcttaaa gggggaaccn tttgcc
```

```
<210> 1826
<211> 1114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (127)...(1043)
<223> similar to gi2246532 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1826
ctggaacatg cagcagcttt gcgggcccta caagatcagg tatccatcca gagtgcagat
                                                                       60
gcacaggaac aaggggaagg gcttttggct gaaaacaatg ccttgaggac tagcctggct
                                                                      120
                                                                      180
gccctggagc agatccaaac agcaaagacc caagaactga atatgctccg ggaacagacc
actgggctgg cagctgagtt gcagcagcag caggctgagt acgaggacct tatgggacag
                                                                      240
                                                                      300
aaagatgacc tcaactccca gctccaggag tcattacggg ccaatagtcg attgctggaa
                                                                      360
caacttcaag aaatagggca ggagaaggag cagttgaccc aggaattaca ggaggctcgg
aagagtgcgg agaagcggaa ggccatgctg gatgagctag caatggaaac gctgcaagag
                                                                      420
                                                                      480
aagteecage acaaggaaga getgggagea gttegtetae ggeatgagaa ggaggtgetg
ggggtgcgtg cccgctatga gcgtgagctc cgagagctgc atgaagacaa gaagcgtcag
                                                                      540
                                                                      600
gaggaggage teegtgggea gateegggag gagaaggeee ggacaeggga getggagaet
ctccagcaga cagtggaaga acttcaagct caggtacatt ccatggatgg agccaagggc
                                                                      660
                                                                      720
tggtttgaac ggcgcttgaa ggaagccgag gaatccctgc agcagcagca gcaggaacaa
gaggaageee teaageagtg tegggageag caegetgeeg agetgaaggg caaggaggag
                                                                      780
gagetacagg atgtacggga teagetegag caggeecagg aggageggga etgecaeetg
                                                                      840
                                                                      900
aagaccatta gcagcctgaa gcaggaggtg aaggacacag tggatgggca gaggatcctg
                                                                      960
gagaagaagg gcagtgctgc gctcaaggac ctcaagcggc agctgcattt ggagcggaaa
                                                                     1020
cgggcagata agctgcagga gcgactgcag gacatcctca ctaacagcaa gagccgctca;
                                                                     1080
ggeettgagg agetggttet etcagagatg aacteaceaa geeggaeeea gaeaggggae
                                                                     1114
agcagtagca tctcctcctt cagctaccgg gaga
```

```
<210> 1827
     <211> 372
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (10)...(373)
     <223> similar to gi3540177 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1827
                                                                       60
cttagagtac atcagacaat tcatgctgga gagagaccct atgaatgcaa agaatgtggg
                                                                      120
aaggoottta gaottoatta toaactaact gaacatcaaa gaattoatac tggtgagagg
                                                                      180
ccttatgaat gtaaggtttg tggcaagacc tttagggtac aacgacatat tagtcaacat
                                                                      240
cagaaaattc atactggtgt caaaccctat aaatgtaatg aatgtgggaa ggcctttagt
catggctcat accttgttca acatcagaaa attcatactg gtgaaaaacc ctacgaatgt
                                                                      300
                                                                      360
aaagaatgtg gtaagtcctt tagttttcat gcagaacttg ctcgacatcg tagaattcat
                                                                      372
actggtgaga aa
     <210> 1828
     <211> 974
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (122)...(778)
     <223> similar to gi2280485 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1828
                                                                       60
ctggagegga ecegeeggae getacegeet ttecageegg agecagegeg ageteggeae
                                                                       120
gggggacacc cggtccgagg ccggcaagcc ggctggtgcc cgagtcggcc aagcatgggc
aaccactcag gacggcccga ggatccggaa ccaggtggaa aaggattatt catacctgaa
                                                                       180
ggagatatgt gatcaccaag ccgaacagct gagcagaacc agcctaaagc tgcaagaaaa
                                                                       240
agcatcagag agtgatgcag agatcaaaga catgaaagaa accatatttg aattggaaga
                                                                       300
tcaggtggaa cagcaccggg ctgtcaagtt acacaataat caactcatca gtgagctaga
                                                                       360
                                                                       420
aagtagtgtg atcaagctgg aggaacagaa gtcagacctg gagaggcagc tgaagactct
                                                                       480
gaccaagcag atgaaggagg agaccgagga atggaggcgg ttccaggcgg atctgcagac
                                                                       540
cgcagtggtg gtggccaatg acatcaagtg tgaggcccag caggagctgc gcaccgtgaa
                                                                       600
gaggaaactg ctggaggagg aggagaagaa tgcccggttg cagaaggagc tgggggatgt
                                                                       660
gcagggccac ggcagggtgg tcaccagcag agccgcccct ccacctgtgg atgaagagcc
```

agagteetet gaggtegatg etgetggteg gtggeetggt gtetgtgtta geagaacate

tccaacaccc ccagagtcgg caaccaccgt taagtcactt atcaagtcat ttgacttggg

acgcccaggt atttaatcat tttttctata agcaaagctc caaattcaaa ctttggcccg

720

780

```
acatttgata tgtctactat ctctactcca ccctggccct gtgttgttac aaccacaagg 900 gcgctttcca ggtcctacca cgtgcagcca ctgcatgcag gagcctggct gaggctccag 960 ggaggcactg atgg
```

```
<400> 1829
cccacgcgtc cggatgtgtg ctcacacttg ggggacctga ttggggcttc agaccttggg
                                                                       60
ggcctgtccg cagggtctcc tccatccttc ttgatttgcc tgtcattgag gctgcccgct
                                                                      120
                                                                      180
ctgggcgcca ttccccagcc taacacctct tctcagtctt tccttgcagg tccctggagt
ccaggeettg gggcagtgaa gaaaccgtgg ggaggggcat gagatgecag teeecaaagt
                                                                      240
                                                                      300
ccttgggagc ccttgtgggc caagtcattg taggacacac cctctcctgg gcattgctga
ggtcacccag tgagcctagg ctccccctc ctcccatccc cagcctgggg gaaccttcag
                                                                      360
cgtctctcct ccctgtaggc cccggctcag cttcccagga acttttgttg gtgggtacta
                                                                      420
                                                                      480
gtagggtaag gcagttette ceateatgag ggagaeettg ggagaettte attaccaaat
ccattgctgc cccgaccttc ctgggactga tctgggtcac cctggtctcc tgatcttgga
                                                                      540
gaagtcaagt tettateeca gaettgagag gttacaagee tecaggtete tggcaaagtg
                                                                      600
                                                                      660
tggagatgat ggacagccat ttgtacacac accagccagt cccttagcat atctctcttg
                                                                      720
gttttgtctc aggtctgcct cagccacctc cctgacgctg tcccactgtg tggatgtggt
gaaggggctt ctggatttta agaagaggag aggtcactca attgggggag cccctgagca
                                                                      780
gcgataccag atcatccctg tgtgtgtggc tgcccgactt cctacccggg ctcaggatgt
                                                                      840
gctgcagcct cctggccact ggaggggctg accgcctgat ccacctctgg aatgttgtgg
                                                                      900
gaagtcgcct ggaggccaac cagaccctgg agggagctgg tggcagcatc accagtgtgg
                                                                      960
actttgaccc ctcgggctac caggttttag cagcaactta caaccaggtt gcccagtttt
                                                                     1020
                                                                     1033
ggaaggtngg gga
```

```
<210> 1830
<211> 372
<212> DNA
<213> Homo sapiens
```

```
<221> misc_feature
<222> (93)...(375)
<223> similar to gill96425 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<210> 1831
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(427)
<223> similar to gi4062789 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters.
```

```
<400> 1831
aatggcaatg ctcggcgcaa tcgaatctct gctctgcgcc gtggtgctgg atggtatgac
                                                                       60
                                                                      120
cgggacgaaa cacaaggcga acagcgaact ggttggacag ggactgggga atattatcgc
                                                                      180
tecgttettt ggtggtatta eegetacage tgecategeg egttetgeeg etaaegteeg
                                                                      240
tgccggggca acgtccccta tctcggcggt gatccactct attctggtta ttcttgccct
getggtactg geacegetge teteetgget geegetttee gecatggeag eeetgetgtt
                                                                      300
                                                                      360
gatggtggcg tggaacatga gtgaagcgca caaagtggtc gacttgctgc gtcatgcgcc
                                                                      420
gaaagatgac atcatcgtca tgctgctgtg catgtcgctg accgtgttgt ttgatatggt
                                                                      425
tattg
```

```
<210> 1832
<211> 335
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (3)...(89)
```

<223> similar to gil65650 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1832
gtcaaaaacg atttcctagc aactgtggcc gtgatggaaa actgtttctt tggggacaag 60
cacttcatat catcgcaaaa ctcctgggta agtggagaag attgggaatg gtatttttt 120
ccttgttatt aagctattag aaataaatat gcctttgctg gcacataata gtactttggt 180
acaacaggat atcctatgga gtttaaaaat aagtatttaa aatataacaa atctgtatta
gtccattctc atgctactaa taaagatata cccaagactg ggtaatttat aaaggaagga 300
gttttaatgg cctcacagtt ccgtcgacgc gggcg
335
```

```
<210> 1833
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(588)
<223> similar to gi3881842 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1833
                                                                       60
cetqueetee tetgtggace tgtactttgg ggegeaceat eccetecatg tgacaatgtt
geccaatece tegeacetgg aggecgteaa eccegtggce gtgggcaaaa etegeggcag
                                                                      120
                                                                      180
gcagcagtet egecaagaeg gegattaete tecagacaae teageceage egggggaeag
                                                                      240
ggtcatttgc ttacaggtcc atggtgatgc ttttttctgt ggtcaaggga ttgttcctga
aacattcacg ctgtccaatc tcccacattt caaaattggt gggagtgtgc atttgattgt
                                                                      300
                                                                      360
taataaccag ctgggttaca ccactccagc tgaaagagga aggtcttctt tatactgcag
                                                                      420
tgatattggg aagettgtgg getgtgeeat catecatgte aatggagaea geecagagga
                                                                      480
aqtqqtccqt qccacacqac tggcttttga ataccaacgc cagttccgca aggatgtgat
tattgatctg ttgtgctaca gggcaggggg ccacaatgag ctggatgagc cattctacac
                                                                      540
                                                                      592
caaccccatc atgtacaaaa tcatcagagc tcggaagagc attccagaca ca
```

```
<210> 1834

<211> 556

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(557)

<223> n = a,t,c or g
```

```
<221> misc_feature
     <222> (4)...(536)
     <223> similar to gi3811347 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1834
gttcacgtct gcagcagtaa gatgggagct ttgtccacgg agcggctaca gtactacact
                                                                       60
                                                                      120
caggaactgg gggtccggga gcgcagtggc cacagcgtgt ccctcatcga cctctggggc
ctccttgttg agtatctcct gtaccaggag gagaaccctg ccaagctgtc tgaccaacag
                                                                      180
gaggeggtee gecagggtea gaaceettae cecatttaca ceagtgteaa egteegeace
                                                                      240
                                                                      300
aacttgagtg gggaagattt tgcagagtgg tgcgagttca cgccctatga ggttggcttc
cccaagtacg gggcttatgt tcccaccgag ctcttcggct cagaactctt catgggacga
                                                                      360
                                                                      420
ttgctgcagc tccagcctga accccggatc tgttacctgc aaggtatgtg gggcagcgcc
                                                                      480
tttgccacca gcctggatga gatcttccta aagaccgccg gctcgggcct cagcttcctg
                                                                      540
gagtggtaca gaggcagtgt gaatatcaca gacgactgcc agaagcctca gctgcacaac
                                                                      556
ncctcgacgc gggaat
     <210> 1835
     <211> 805
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (23)...(681)
     <223> similar to gi5457791 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1835
                                                                       60
qcqaqaqctt cacaaqqaaq ttqaaqtagc taagaggaat ttggcccaac agaaaattat
                                                                      120
atcagaaatg gagtctaagt tagtagaaca acaacttgca gaagaaaaca agcttttaaa
```

ggagcaagaa aacatgaaag agctagtagt caaccttctc cgcatgactc aaatcaaaat

tgatgaaaag gaacaaaagt ccaaggattt cctgaaagct cagcaaaaat acaccaacat

tgttaaagaa atgaaagcaa aggatcttga aatcaggata cacaagaaga aaaaatgtga

aatttatcgg agactgagag agtttgctaa actgtatgac accattcgaa atgaaagaaa

gctacaaaat tccatgctga aacacgccaa caatgttacc atcagagaga gcatgcaaaa

cgatgtgcgc aaaattgtat caaaacttca ggaaatgaaa gaaaagaagg aagcccagtt

aaataacatt gacagacttg ccaacacgat cacaatgatc gaagaggaga tggtgcagct tcgcaaaaga tacgaaaaag ctgttcagca tcgaaatgaa aggaggggtc tttctcctgg

catgattaca aaggatagat ttttgcctgt ttatggggaa atcacaacca gaaatattca

acttgagaag aaactaatgg gccta

caaatttgtt aacttactcc acaaagctca tcagaaagta aatgaaataa aagaaaggca , ``
taaaatgtca ttaaatgaac ttgaaattct gagaaatagt gccgttagtc aagaaagaaa

<220>

180 240

300

360

420

480

540

600 660

720 780

```
<210> 1836
    <211> 418
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (1)...(89)
    <223> similar to gi1228035 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
    <400> 1836
                                                                    60
ggagaactgg ctcccaatga tagatgttgc cgtgtgtgtg gaaaaatagg ccactacatg
                                                                   120
aaagactgcc ctaaaaggaa aaggttggca aatgaatata tatcaacatt ttgaggaaaa
taaatgagag gccaatttgt agctataatt atgttcagaa atgtttaact gagaaagttt
                                                                   180
                                                                   240
agggtattta attataccta aggtaaatgt tcatttgagt ggaattttgt aatagggtaa
gatttgcatg tggtataata gtatcttcta acattcattt gttcatttat tcattaattc
                                                                   300
360
                                                                   418
cgccctgtcg cccaggctgg agtgcaatgg tgtgatctcg gctcactgca tcctccgc
     <210> 1837
     <211> 631
    <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (250)...(629)
     <223> similar to gi60369 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1837
gaatttetgg gtegteecac gegteecgea aaggatgagg gaaacgatga gggaaaggat
                                                                     60
gagggaaagg atgagggaaa ggatgaggga aaggatgagg gaaaggatga gggaaaggat
                                                                    120
gagagaaagg atgagggaaa ggatgaggga aaggatgaga gaaaggatga gggaaaggat
                                                                    180
gagggaaagg atgagggaaa ggatgaggga aaggatgagg gaaaggatga gggaaaggat
                                                                    240
                                                                    300 -
gagggaaagg atgagggaaa cgatgaggga aaggatgagg gaaaggatga gggaaaggat
gagggaaagg atgagggaaa ggatgaggga aaggatgagg gaaacgatga gggaaacgat
                                                                    360
                                                                    420
gagggaaacg atgagggaaa ggatgaggga aaggatgaga gaaacgatga gggaaaggat
gagggaaagg atgagggaaa ggatgaggga aaggatgaga gaaacgatga gggaaaggat
                                                                    480.
gagagaaagg atgagggaaa ggatgaggga aaggatgagg gaaaggatga gggaaaggat
                                                                    540
                                                                    600
gagggaaagg atgagggaaa cgatgaggga aaggatgaga gaaaggatga gggaaaggat
                                                                    631
gagggaaagg atgagggaaa ggataagtaa g
```

```
<210> 1838
     <211> 667
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
    <222> (2)...(633)
     <223> similar to gi2246532 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 1838
ggaaaaacaa gcaacagatg acattatcaa aaatatgtct tttgaaaacc aagtcaagta
                                                                       60
cctagagatg aaaaccacaa atgagaaact gttacaggaa ttagatacac ttcaacaaca
                                                                      120
attggattca cagaacatga aaaaagagag cctggaagca gaaatagctc actcccaggt
                                                                      180
gaaacaggag gcggtattgc tgcatgaaaa actttatgag ttggagtccc atcgagatca
                                                                      240
aatgattgca gaagacaaaa gcataggatc tccaatggaa gagagagaa aattacttaa
                                                                      360
gcagattaaa gatgataatc aggaaatagc cagcatggaa agacagttaa cagatacaaa
                                                                      420
agaaaagata aatcagttta ttgaagaaat tagacaactt gacatggatt tagaggaaca
ccaaggtgaa atgaaccaga aatacaagga gctaaagaaa agggaggaac atatggacac
                                                                      480
ttttattgag acttttgagg aaacaaagaa tcaggaactg aaacgaaagg cacagataga
                                                                      540
agccaacatt gttgcactct tggagcactg cagtcgaaat ataaatcgta tagaacagat
                                                                      .1600
atcctctatc accaatcaag agctaaagat gatgcaggat gacctcaatt ttaaatctac
                                                                      660
                                                                      667
tgaagcg
     <210> 1839
     <211> 360
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (41)...(239)
     <223> similar to gi4558557 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1839
                                                                       60
tgatattgcc ttaaaagatg ctgaaaaagt tcacttcatc ctagtggaaa aggtgaccac
                                                                       120
aagattcaag gtggatggaa aacacagaaa gaaaaattca gtgtttgaaa gacttcaaat
tgatattcaa cacttgtgtt tgaacaagat tcctgtgcta agagaagaaa aactacctgt
                                                                       180
```

ggtaggaatt ggaaagcatc tgtgtggtat ggcaacagat cttgcattac gatgtttggt

tgaaacctat gctgccagtt ttgaggaaag gaatgaagaa cctttagcca aacgcataaa

gaatgataaa acagaaaaag aaatttacac tttggccaag gaaggaaatg aaaaaaatgt

240

300

```
<210> 1840
·<211> 932
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (806)...(450)
<223> similar to gi3876843 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

```
<400> 1840
                                                                       60
ttttttgata tcagaagtca tcttgtatac gccagttcct tctcttcaca gttttgtttc
tcatttgaac atccaaagac agttttgcga gctgtgtgca gtcaccacag gccagtgagg
                                                                      180
tcactgtcat tgtgacaata ggtagttttc aggggcacag accttgtgct gggtgatgga
                                                                      240
atctaagacc cattteteag acagataett gaetgttget ttettettte egetgtaggg
cccgatgacg atgctggcct ggcgggggac ttggctgacc cggcctccgc acaggtggac
                                                                      300
                                                                      360
tagttcacag agettggeca etgggggget getggeagge gagacaaaca teactggetg
gtcggcaaag agggttccgc ggtacggccc tgcagacaag tggcactcac ttcggcacag
                                                                      420
                                                                      480
gggagetgca gggaagtggt gagacagtte gaacggetee teagaaatee agtgaceeaa
ttctaaagac catagcaccc aatcataaga gagaacccag cagccacgcg caattcccag
                                                                      540
                                                                      600
cagcacattc agggtgcgaa gtggcttccc ggaaagcacg tgagtcgtgg tctcacagac
gtctggtgca attgaaaagc ctttcaattt atccacaacc tggatgacga cattctgctt
                                                                      660
ttcagatggc atgcttgtca tgactaatgt tcttgttggc tttttgcctc tcccactttt
                                                                      720
                                                                      780
cttcaattcc tcatgaggtt tgatgaggtc cttaaagccg tcacatgagt catctaaaac
                                                                      840
atcatgcctt gttggtctat ttttaacact tccactgtat cctccgggta agttttcctt
                                                                      900
ctcttctgta gacgtctcca tgttacagtc aactataaaa catggctcat gttcactctg
                                                                      932
ggcttcacct tcagaggagt ttgatatttt gg
```

```
<210> 1841
<211> 351
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (5)...(299)
<223> similar to gi7939 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

<400> 1841 agaaagette aacactatea gtaacatega ggagattgeg tataaegeea ttteetteae

```
120
atgggacatc aacgatgaag caaaggtttt catctctgtg aactgcttaa gcacagattt
ctcttcccag aagggagtga aggggttgcc tcttaacatt caaattgata cctatagtta
                                                                      180
caacaaccgc agcaacaagc ctgtgcaccg ggcctactgc cagatcaagg tcttctgtga
                                                                      240
                                                                      300
caagggagct gagcggaaaa tcagggatga agaacgaaag caaagcaaaa gaaaaggcaa
gtgtcctgac cccagctccc aggtgaatgc ctgtaagtag aaatgttccc g
                                                                      351
     <210> 1842
     <211> 439
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(440)
     <223> similar to gi551827 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1842
                                                                       60
cttacccatc tcacggctca gaacgtgccg aatctgtttg cccgtaacga acgcgtgatt
                                                                      120
tgccttttcg ataccgaatt tggcccaatg gcgcagattc tggtcggagc gacgattgtt
ggcagcattg agacggtctg ggcgggcacc attacgccgc cgcgcgaagg tatcatcaag
                                                                      180
                                                                      240
cgctggacct ggcctgccgg ggaaaacgac ggttctgtgg cactgctgaa aggccaggaa
                                                                      300
atgggtcgct ttaaactcgg ttccaccgtt atcaacctgt ttgcaccggg taaagtgaat
                                                                      360
ctggttgagc aactggaaag cctgtctgtc acgaaaattg gccagccgct ggcagtatct
                                                                      420
accgaaacct ttgttacgcc agacgctgaa cctgccccgc ttcctgctga agagatcgaa
                                                                       439
gcagaacacg acgccagcc
     <210> 1843
     <211> 543
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (257)...(545)
     <223> similar to gi2618752 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1843
                                                                       60
gcaaagggtt gttgacttcc tccctctccc ctcccttcgt tccttcttcc cgaaggcact
```

catctgagaa aaagagaacg aagtattgtt cctgttctct ttcttaagtc attcgaaaca

 120

180

```
cagaceteag gagetgggtg tgaaggagea taagtgtggg atttgtggge gggagtteae 300 cetgetggee aacatgaage gacacgtget gatecacace aacateegeg cetaceagtg 360 teacetetge tacaagaget tegtgeagaa geagaceete aaggeacaca tgategteea 420 ctetgaegtg aageettea aatgeaaget ttgtgggaag gaatteaace ggatgeacaa 480 cetgatggge cacatgeace tgeacteaga cageaaacee tteaagtgee tetattgeee 540 aag
```

```
<210> 1844
<211> 1092
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (847)...(949)
<223> similar to gi1813429 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1844
                                                                       60
cccacqcqtc cqqaatgatt aatggagaaa ccatgaaaat attggtaatt tttttttta
ctaaatttta tcactggaga ttaaaagggt cattgaaaat gattgtacca gggttccttc
                                                                      120
atgatagaca tggggctgag tcttaaagca aacagggaat tcacctccac ctcaacattt
                                                                      180
tgttgggcaa attttcaaac ataaaggaca atgagaagta ttttatagtg aacacttatc
                                                                      240
                                                                      300
tacttacctc ttagattcaa caatgaatat tttattatac ttgttgcata tttatccccc
tacccatccc tottttcttc caacaattgt gaattcatct ttgaggtatt cattcaacaa
                                                                      360
acacataggt gctggggatg atttaattta atcgaagatg attaaagcat tcagtcctgt
                                                                      420
                                                                      480
cctccaaagt ctcacaacct agtgtaggga aatagacatg aaatatatca ttgctgcaaa
atgatgagtg gcataataca ggtatatgtg aagttcagca gagaaacacg ttggaagaaa
                                                                      540
                                                                      600
taatetttga etettgaagt attgtttgaa gtttttggga gttaccaega gtgagaagga
gtttgcctag caaagataat tctaaacaga aacattagca tttgcaaaga tgtggggtta
                                                                      660
atgttgtgag tgttaaaaag aacatatagt aaaaatgcaa aattggaaac atgtggtctg
                                                                      720
                                                                      780
tatattattg caactttagt gtaattccta cctcatttgg gataaatgta gcatgtttta
tgttaaggga ccatatatca taacacattt ttgttctaat atttgattta tgagaaatgt
                                                                      840
                                                                      900
ttgttaaatt tagatgtcaa tgaagagctt ccagccagaa gaaaacgaaa tcgtgaggat
ggggaaaaga catttgttgc acaaatgaca gtatttgata aaaacaggta atgttgatga
                                                                      960
                                                                     1020
acaagtgagg ctcccacaat gttctggaaa tgttttcatt ctgaagcaga atataattat
ttatattgat tatttcattg cctttgtttc tttttattct tacggatgaa aaaacaaatt
                                                                     1080
                                                                     1092
tgcaaacact ga
```

```
<210> 1845
<211> 417
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

```
<222> (16)...(418)
<223> similar to gil017722 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
    <400> 1845
gegggettaa eeggetteee aaceettaet titeacaaga taatteatae tigataagaaa 60
ceetacaaat gigaagaagg tiggaaaget titaaeegat eetteaateet tagtataeat 120
aagaaaatte ataetiggaga aaaaeeetae aaatigtgaag aatigtggeaa agettitaag 180
eggteeteae aeetegetig geacaageaa atteatagig taeaaaaee etaeaaatigt gaagaatigtig geaaageett tagtatatte teaaeeetta etaaaeaaee etaeaaatigt 300
aetgaagaga aaeeetaeaa atigtigaaaaa tigtiggeaaaa ettieteaee 360
ettaataege ataagataat teataetigga gagaaaeett geaaatigtig agaatigti, 417
```

```
<210> 1846
<211> 447
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(448)
<223> similar to gi5689447 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1846
cgacccacgc gtccgcggac gcgtgggcgg acgcgtgggc ggacgcgtgg gctggcgcc
                                                                       60
attgccctgc tggtcctaga ggaggaggag agcgccttct ggtgcctggt ggccattgtg
                                                                      120
gagaccatca tgcccgctga ttactactgc aacacgctga cggcatccca ggtggaccag
                                                                      180
cgggtgctcc aggacctgct ctcggagaag ctgcccaggc tgatggccca tctggggcag
                                                                      240
caccacgtgg atototocot cgtcaccttc aactggttcc tcgtggtctt tgcggacagt
                                                                      300
ctcattagca acatcctcct tcgggtctgg gatgccttcc tgtacgaggg gacgaaggtg
                                                                      360
gtgtttcgct atgccttggc cattttcaag tacaacgaga aggagatctt gaggctacag
                                                                      420
                                                                      447
aatggcctgg aaatctacca gtacctg
```

```
<210> 1847
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(442)
<223> similar to gi4454565 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

```
<400> 1847
ctgaaaaagg accactttct cctaaagttc tttttaatca cctttgtcag aaggcacctc
                                                                       60
gatttaaaga tttccagcaa caggacagtc aggagcttct tcattatctt ctggatgcag
                                                                      120
tgaggacaga agaaacaaag cgaatacaag ctagcattct aaaagcattt aacaacccaa
                                                                      180
ctactaaaac tgctgatgat gaaactagaa aaaaagtcaa agcatatgga aaagaaggtg
                                                                      240
tgaaaatgaa cttcatagat cggatcttta ttggtgaatt aactagcacg gtcatgtgtg
                                                                      300
aagaatgtgc aaatatctcc acggtgaaag atccattcat tgatatttca cttcctataa
                                                                      360
                                                                      420
tagaagaaag ggtttcaaaa cctttacttt ggggaagaat gaataaatat agaagtttac
gggagacaga tcatgatcga tacagtggca atgttactat agaaaatatt catcaaccta
                                                                      480
                                                                      508
gagetgecaa gaageattet teatetaa
```

```
<210> 1848
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (255)...(508)
<223> similar to gi3875400 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1848
ggcggcagca gcagccctgg acgcagcagc caagctcttc gctggctccc gggggctctc
                                                                      60
                                                                      120
ccgggttcct ctcattgcag gctgaaggta atgagaggcc ctaagatccc agaggatgcc
ataagaggaa aagtcagggg agtgttgaag actctgcctc ctacaaatat ccatccgcag
                                                                      180
agccatcctg tgcaaaggaa ggagctaggc tgtgcgccct gggcgtcatg atccttctgc
                                                                      240
gggcctccga agtgcggcag ctgcttcaca ataagttcgt ggtcatcctg ggggactctg
                                                                      300
                                                                      360
tqcataqqqc aqtatacaag gacctggtgc ttctgctgca gaaggaccgc ctgctcactc
ccgggcagct tagagcaagg ggggagctga acttcgaaca agatgagctg gtggacggag
                                                                      420
                                                                      480
gccagcgggg ccacatgcac aacggcctta actaccgtga ggtccgcgag ttccgctccg
                                                                      505
accaccatct ggtacgtttt tactt
```

```
<210> 1849
<211> 338
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (68)...(316)
```

<223> similar to gi3297821 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1849
ggcaaacgca gctctctgtc agcatccgac gggctgtcag accagtgctg atcttcactg
gactcttcct cctcctcgtc atagtcctcc tcctcctct cttcatagtc ctcctcctc
tcctcttcat attcttcctc ctcctcctc tcctcat tcccaggccc aaagctcttt
gaggcctcta gctcctcttc acttttccct ttcagaaggg catggatccg cacggcctcc
ttccacggaa caccacccag gtcagatggg ggcaggcgag gctcctcctc ctcctcctct
ccctcctct ccatctcaga ctcggaacta ctgctggc

338
```

```
<210> 1850
<211> 424
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (353)...(426)
<223> similar to gi5853317 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 1850 gcacgagtgt cagttcttga gatgatgctc tggacttaat aactttgatc agaccttcta 60 120 aacccaaatt tgaagtgagg accagaccag aaaatctagg atacatgatg gctagagaca caggtgtagc ttttaataga tgcaggctaa cagctgccat tttcccattc tctagataca 180 ttattctatt ttcatcttcc ccagaaccct gcaaggcagt gctttcactt cctgaaagaa 240 actggcagga tagggacctt accatagaac agagttctgg gagaagggaa ctgaaccagg 300 tecettgeag etgteectag actteectga ecceateett gettgettte eagaceceat 360 gccacagctg gatgtgactg aggccaacaa ggagttcatg gaacagagtg aggagctgta 420 424 tgac

```
<210> 1851
<211> 367
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(105)
<223> similar to gi3347848 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1851
                                                                       60
cegettecag getteetget acetgaagea gggcaagtae caggatgegg agacettgta
caaggagate etcaccegeg etcatgagaa agagtttgge tettgaggge etgecceagt
                                                                      120
gtotoccact otgggaaaco acctotggoo coggatggto agtoatotgo tootgagtoo
                                                                      180
                                                                      240
cteggageet ggeecateat teaggeetag cacatgtett gggetgtgge etgaggtgea
                                                                      300
agggtetgtt etgeteatet ttettgtgae cattetttee teeaggataa gegeegggae
agegeceet atggggaata eggeagetgg cacaaggeag gteacetgte ecaagaagge
                                                                      360
                                                                      367
tctgtct
     <210> 1852
     <211> 685
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (10)...(686)
    <223> similar to gil690 in the genepept database release 114
       Run with FASTXY 3.3t00, default parameters
     <400> 1852
ggcacgagtg gaggggatgg gaacttggag actcacacca cactgcccaa cattctgaag
aagttcaacc cttacctcct tggcttctct accagcacct gggaggggac agcaggacta
                                                                      120
aatgtggcag cggaaggggc cagagctagg gacatgccag cccaggcctg ggacctggta
                                                                      180
                                                                      240
gagegaatga aaaacageee egacateaac etggagaaag aetggaaget ggteacaete
ttcattgggg gcaacgactt gtgtcattac tgtgagaatc cggaggccca cttggccacg
                                                                      300
gaatatgttc agcacatcca acaggccctg gacatcctct ctgaggagct cccaagggct-
                                                                      360
ttegtcaacg tggtggaggt catggagctg gctagcctgt accagggcca aggcgggaaa
                                                                      420
                                                                      480
tgtgccatgc tggcagctca aaacaactgc acttgcctca gacactcgca aagctccctg
                                                                      540
gagaagcaag aactgaagaa agtgaactgg aacctccagc atggcatctc cagtttctcc
tactggcacc aatacacaca gegtgaggac tttgeggttg tggtgcagec tttettecaa
                                                                      600
                                                                      660
aacacactca ccccactgaa cgagagaggg gacactgacc tcaccttctt ctccgaggac
                                                                       685
tgttttcact tctcaaaccg cggcg
     <210> 1853
     <211> 513
     <212> DNA
      <213> Homo sapiens
     <220>
```

<223> similar to gi1020145 in the genepept database release 114,

<221> misc\_feature <222> (12)...(516)

## Run with FASTXY 3.3t00, default parameters

```
<400> 1853
                                                                       60
ggcacgagcc ttcgggagag aaacctcata aatgtactga atgtgggaag tctttcaatg
agaagtcaac cctcattgtg catcaaagaa ctcatacagg agagaaaccc tatgaatgtg
                                                                      120
atgtgtgtgg aaaaaccttc acgcaaaagt caaaccttgg tgtacatcag agaactcatt
                                                                      180
caggagagaa accetttgaa tgtaatgaat gtgagaaage etteteteag aagteetaee
                                                                      240
                                                                      300
tcatgctgca tcagagaggt catacaggag agaaacctta cgagtgcaat gaatgtgaaa
aagcattttc acagaaatca tatctcatta tacatcaaag aactcataca gaagaaaaac
                                                                      360
                                                                      420
cctataaatg taatgaatgt ggcaaagcct tcagagaaaa gtcaaagctc attatacatc
agagaattca tacaggagag aaaccttatg aatgtcctgt gtgttggaaa gcttttagcc
                                                                      480
                                                                      513
agaagtcaca gctcataata catcagagaa cgc
     <210> 1854
     <211> 399
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (9)...(105)
     <223> similar to gi6016932 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1854
ggcacgagcg ggctggtgga cttggtatta atcttacagc tgctgatacc tgcatcatct
                                                                       60
                                                                       120
ttgattcaga ctggaatcca caaaatgacc tgcaggtaaa ggaattcatt gtcttaggga
                                                                      180
ctaactacct aacttgggag atttttcaac aagaatagga tcttttagaa agacctttca
cagagtttgg aattgtttcc ttagttaagg gtggcagtta ggtcagggaa tcagcaaacg
                                                                      240
ttttctgtaa acgacaagac agtaaatgtt ttaggctttg tgagccatcg agtctttgtt
                                                                      300
                                                                      360
gcaactgctt atctccaagt cctgtagcgc aaaaacagcc atagataata tgtaaatgag
                                                                      399
tgggtggtcc cacctgtgtc cccattgaac tttattttt
     <210> 1855
     <211> 749
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (2)...(751)
     <223> similar to gi4589520 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

```
<400> 1855
                                                                       60
gaagaactgg atacgcagct ccttcaagca agctttcggg aagaagaagt ccccaaaatc
tgcgtcctct cattcagata ttgaggagat gacggattct tctttgcctt cctcaccaaa
                                                                      120
gttaccacac aatgggtcca caggttccac cccactgctg aggaattctc actccaactc
                                                                      180
tctaatttca gaatgcatgg atagtgaagc tgagaccgtc atgcagctcc gaaatgagtt
                                                                      240
aagagacaag gagatgaagc tgacagatat ccgcttagaa gctctcagtt ctgcccacca
                                                                      300
gctggaccag ctccgggagg ccatgaacag gatgcagagt gaaatagaga agctgaaagc
                                                                      360
tgagaatgat cggctgaagt cagagtctca aggcagtggc tgcagccggg ctccttccca
                                                                      420
                                                                      480
agtgtccatc tetgeeteec egaggeagte catgggeete teccageaca gettgaacet
                                                                      540
cactgagtca accagcctgg acatgttgct ggatgacact ggtgaatgct cggctcggaa
ggaaggaggc aggcatgtta agatagttgt cagctttcag gaggaaatga agtggaagga
                                                                      600
                                                                      660
ggattccaga ccacacctct ttcttattgg ctgcattgga gttagtggca agacgaagtg
                                                                      720
ggatgtgctc gatggggtgg ttagacggct gttcaaagaa tacatcattc atgtcgaccc
                                                                      749
agtgagtcag ctagggctga attcagacg
```

```
<210> 1856
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(446)
<223> similar to gi5640017 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1856
attcatcaga gaattcatag tggtgagaaa gcatatgaat gtagtgaatg tgggaaagct
                                                                       60
ttcaatcaga gctcagccct cattagacat cggaaaatcc atactggtga gaaagcttgt
                                                                      120
                                                                      180
aaatgtaatg agtgtggcaa agcattcagt caaagttcat atctcattat acatcaaaga
                                                                      240
atteacactg gtgagaaacc ttatgagtgt aatgaatgtg ggaaaacctt tagccagagc
                                                                      300
tcaaaactca ttagacatca gcgaattcac acaggagaga gaccctatga atgtaatgaa
                                                                      360
tgtggaaaag ettteaggea gageteagag etgattaete ateagagaat acatagtgga
                                                                      420
gagaaaccct atgaatgtag tgaatgtgga aaagctttca gtttgagctc aaaccttatc
agacatcaga ggattcatag tgggg
                                                                      445
```

```
<210> 1857
<211> 421
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (2)...(423)
<223> similar to gi1841296 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1857
agccctgate ctttcagccg gcctgagcac gggagctctc gttgcgattc tactctgtgt
                                                                       60
cctcatactg cttattttag tcgtgttgtt tgctgcattg aagaggcaaa gaaaaaagga
                                                                      120
                                                                      180
acctctgata atttcaaaag acgatgtccg ggacaacatt gtgacctaca acgatgaagg
cggcggggaa gaagataccc aagcttttga cattggcaca ttaaggaatc cagaggcaag
                                                                      240
                                                                      300
aqaaqacaqt aaacttagac gggatgtaat gcctgaaact atttttcaga taaggaggac
tgtgcctctg tgggaaaata ttgatgtaca agattttatc catcgaagat taaaagaaaa
                                                                      360
                                                                      420
cgacgcagac ccaagtgcac ctccatatga ttcgctggca acgtatgcct atgaagggaa
                                                                      421
```

```
<210> 1858
<211> 1238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1241)
<223> similar to gi2911719 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1858 60 atcttaccaa gatgcatctc acagaaaacc ctcatccaca ggtgactcat gtgtcttcta gtcagtctgg ttgtagcatt gccagtgact ctggaagcag cagtttatct gatatctatc 120 aggctacgga gagtgaggta ggagatgtag atttgacacg tcttccagaa ggacctgttg 180 attctgagga tgacgaagag gaagatgaag agattgatcg aacagatcca ttgcaggggc 240 gagatettgt tegagaatgt ettgaaaaag aacetgeaga caaaactgat gatgacattg 300 aacaattget ggagtttatg caccagetee etgeatttge aaacatgace atgtetgtaa 360. 420 ggagagaact ctgctcagtg atgatttttg aagtggtaga gcaggctgga gctattattc ttgaagatgg gcaagagctt gactcatggt atgttatttt aaacggcact gtggaaatca 480 gtcatccaga tggaaaagtt gaaaatttgt ttatgggaaa tagttttgga attactccca 540 600 ctctqqataa gcagtacatg catggaattg tcaggactaa agtagatgat tgtcagtttg tctgcatagc ccagcaagat tattggagaa ttttaaacca tgtggaaaaa aatacccata 660 720 aagttgagga agagggagaa attgttatgg tacatgagca tcgggaacta gaccggagtg . 780 gaaccaggaa aggacacatt gtgatcaagg caacacctga gcgtctcata atgcatttaa 840 tagaagaaca ttccatcgtg gatccaactt atatagaaga ttttctatta acttacagga 900 cattlettga aagteetttg gatgttggga teaaactatt ggaatggttt aagategaea gcttaagaga taaggtgaca cggattgtat tattatgggt aaataatcat tttaatgatt 960 ttgaaggtga ccctgctatg actcgatttc tagaggaatt tgaaaaaaat ctggaagata 1020 caaagatgaa tggtcatctc cggttattga atattgcctg tgctgcaaag gctaagtgga 1080 gacaggttgt gctgcaaaag gcttcccgcg agtcccctct acaattcagc cttaatggag 1140 ggagtgagaa gggatttggt atttttgttg aaggagtaga acctggtagc aaagctgctg 1200

60

120

180

<400> 1860

```
<210> 1859
     <211> 469
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(470)
     <223> n = a,t,c or g
     <220>
     <221> misc_feature
     <222> (57)...(472)
     <223> similar to gi337467 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1859
                                                                       60
ggcggggctc ntttgagacc tgatgaccat cattacgccc agcttggcac gagggggagg
acttcagcta cggcctgcag ccctactgcg ggtactcctt ccaggttgtg ggggagatga
                                                                      120
teeggaaceg ggaggtgetg cettgeeceg atgactgtee egeetgggeg tatgeectea
                                                                      180
tgatcgaggg ctggaacgag ttccccagcc ggagggcccg ctttaaggac atccacagcc
                                                                      240
ggctccgagc ctggggcaac ctttccaact acaacagctc ggagcagacc tcggggggca
                                                                      300
gaaacaccac gcagaccage teeetgagca ccageccaet gtgcaatgtg agcaaegeee
                                                                      360
cctacgtggg gcccaagcag aaggtcccgc cctttccaca gacccaggtc atccccatga
                                                                      420
                                                                      469
agggccagat cagacccatg gtgcccccgc cgcagctata cgtccccgg
     <210> 1860
     <211> 511
     <212> DNA
     <213> Homo sapiens
     <220>.
     <221> misc feature
     <222> (1)...(122)
     <223> similar to gi1469866 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

atagtgtcgt caacacagca ggatctgcag gaatgggtgg agcacctaca gaagcaaacg

aaggtcacgt ctgtgggaaa ccccaccata aagcctcatt cagtgccatc tcataccgta

aggacttggt gcttctcctc cttccagact ccaggcgtgg catcccgtgg ctgagctgtc

```
agcaagtgat cagttgcttt aaaacctaat caatatttgg ataaaaaagtg caaaacactt 240 gcttcacatt tctctgcaga tctttggccc tcttcgtgca gtagtgaatt gttttccaat 300 gagtgttctc gagaaacaac cctgaattgt gcctcctcac gcacagttca gaggtgcttg 360 ggtgggaagc tgcttctgct ccgtgtggcc ctagaagact gatttagggg agttttacac 420 tcaactatag atgattttc tgagaatttt aactgtttat tatgcttcat ttaagaaaac 480 aaaaaaataaa tgattatgat gatgaaaagg a
```

```
<210> 1861
<211> 1149
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1150)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (14) ... (794)
<223> similar to gi3644042 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1861
gggtagaaag ctcccacagt ttaagtacag aaagactgtg tggcctcgag catataatct
                                                                       60
aaccaacttt tocagcatgt ttactgattc ctgtgactgc tctgagggct gcataaacat
                                                                      120
aacaaaatgt gcatgtcttc aactgacagc aaggaatgcc aaaacttccc ccttgtcaag
                                                                      180
                                                                      240
tgacaaaata accactggat ataaatataa aagactacag agacagattc ctactggcat
ttatgaatgc agcetttigt gcaaatgtaa tegacaattg tgtcaaaacc gagttgtcca
                                                                      300
                                                                      360
acatggtcct caagtgaggt tacaggtgtt caaaactgag cagaagggat ggggtgtacg
ctgtctacat gacattgaca gagggacatt tgtttgcatt tattcaggaa gattactaag
                                                                      420
cagagctaac actgaaaaat cttatggtat tgatgaaaac gggagagatg agaatactat
                                                                      480
gaaaaatata ttttcaaaaa agaggaaatt agaagttgca tgttcagatt gtgaagttga
                                                                      540
agttctccca ttaggattgg aaacacatcc tagaactgct aaaactgaga aatgtccacc
                                                                      600
                                                                      660
aaagttcagt aataateeca aggagettae tatggaaacg aaatatgata atatttcaag
aattcagtat cattcagtta ttagagatcc tgaatccaag acagccattt ttcaacacaa
                                                                      720
                                                                      780
tgggaaaaaa atggaatttg tttcctcgga gtctgtcact ccagaagata atgatggatt
taaaccaccc cgagagcatc tgaactctaa aaccaaggga gcacaaaagg actcaagttc
                                                                      840
                                                                      900
aaaccatgtt gatgagtttg aagataatct gctgattgaa tcagatgtga tagatataac
                                                                      960
taaatataga qaaqaaactc caccaggnag cagntgtaac cggcgnacca cttggntnat
ncantattna aagagncaat ggggttncat attcanaaac cccaanaggn agttctacag
                                                                     1020
                                                                     1080
gcatgtcaaa gacagcaggt attttgtgat gaagagttgt ttaatgnaaa ccganatant
                                                                     1140
tnetatentt ttetenaaca gattneaana gagntgagtt ttttnatggg nagnecaeaa
                                                                     1149
aaaaaaaa
```

```
<211> 1327
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1114)
<223> similar to gi4589582 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1862
ttgtgctttc tgacctttgc ctcttttatt atagagatga gaaagaagag ggtatcctgg
                                                                    60
                                                                   120
gaagcatact gttacctagt tttcagatag ctttgcttac ctctgaagat cacattaatc
gcaaatatgc ttttaaggca gcccatccaa acatgcggac ctattatttc tgcactgata
                                                                   180
                                                                   240
caqqaaagga aatggagttg tggatgaaag ccatgttaga tgctgcccta gtacagacag
                                                                   300
aacctgtgaa aagagtggac aagattacat ctgaaaatgc accaactaaa gaaaccaata
acattcccaa ccatagagtg ctaattaaac cagagatcca aaacaatcaa aaaaccaagg
                                                                   360
aaatgagcaa aattgaagaa aaaaaggcat tagaagctga aaaatatgga tttcagaagg
                                                                   420
atggtcaaga tagaccctta acaaaaatta atagtgtaaa gctgaattct ctgccatctg
                                                                   480
                                                                   540
aatatgagag tgggtcagca tgccctgctc agactgtgca ctacagacca atcaacttga
gcagttcaga gaacaaaata gtcaatgtta gcctggcaga tcttagaggt ggaaatcgcc
                                                                   600
ccaatacagg gcccttatac acagaggccg atcgagtcat acagagaaca aattcaatgc
                                                                   660
720
gagtaatttc ttaccaaaca ttaccaagaa atatgccaag tcacagagcc cagattatgg
                                                                   780
cccgctaccc tgaaggttat agaacactcc caagaaacag caagacaagg cctgaaagta
                                                                   840
tetgeagtgt aacceettee acteatgaca agacattagg acceggageg gaggagaaac
                                                                   900
                                                                   960
ggaggtccat gagagatgac acaatgtggc agctctacga atggcagcag cgtcagtttt
ataacaaaca gagcaccctc cctcgacaca gtactttgag tagtcccaaa accatggtaa
                                                                  1020
                                                                  1080
atatttctga ccagacaatg cactctattc ccacatcacc ttcccacggg tcaatagctg
                                                                  1140
cttatcaggg atactcccct caacgaactt acagatcgga agtgtcttca ccaattcaga
                                                                  1200
gaggagatgt gacaatagac cgcagacaca gggcccatca ccctaaggta aaatagctgc
tgattttgtg ttaactcact accttataaa tgctgtgttt tctttctagt atactatttt
                                                                  1260
                                                                  1320
aaatgtgaga gacaaaagaa tggggataaa gtaagcaagg cagctctttt ttgttttaaa
                                                                   1327
aaaaaaa
```

```
<210> 1863
<211> 658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(658)
<223> similar to gi498721 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1863

```
60
atcagagatt gcatgttggt gagaaaccct ataaatatga aaaatgtggg aaggccttta
tcagtggctc agcctttgtt aagcatggga gaattcacac tggtgagaag ccactcaaat
                                                                      120
                                                                      180
gtaagcaatg tggaaagact attagcggta gctatcaact tacagtacat aagagtattc
                                                                      240
atactgggaa gaaaccatat gagtgcgggg aatgtgggaa agcttttcta gtatatggaa
agettacceg geatcagagt acteacactg gtgaaaaace etttgggtgt gaggagtgtg
                                                                      300
                                                                      360
ggaaggcctt cagtaccttt tcatacctgg ttcaacatca gcgaattcat accagtgaaa
aacettacga atgcaaagaa tgtgggaagg cetttagcae tagetcaece ettgctaage
                                                                      420
                                                                      480
atcagagaat tcatactggc gagaaaccct atgaatgtaa ggagtgtggg aagtccttca
                                                                      540
ctgtgtatgg acagettact cgacatcaga gtattcatac tggtgagaaa cettttgaat
gtaaggaatg tggaaaggcc tttagactta gttccttcct tcatgcacat cagcgaattc
                                                                      600
atgcagagat aaagccctac ggatgcaagg aatgcgggaa aaccttcagt cgtgcctc
                                                                      658
```

```
<210> 1864
<211> 865
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)...(586)
<223> similar to gi4902699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1864
                                                                      60
cttgaaaccg ttataccttt gacaccattt tgcacgatga ctccagcctg tatcgaggca
                                                                      120
ggggagtete tececetece tegecettet tgteagecat ecttgeegee ttteageceg
cagectgtga egatgeegag gaggeetgge geaaccacat caaccagett atgtgtgact
                                                                      180
                                                                      240
caaatggete etgtgetgtg tatacattte atgtgttete etecttgttt aagaatatte
                                                                      300
agaaaaggtt ctgcttccta acctgtgatg cagccagtta ccttggagat aacctccggg
gaatcggatc caaatttgtc agetettece agatgeteac etectgetet gaatgteeta
                                                                      ·360
cactttttgt ggatgccgag actctccttt catgtggact tctggacaag ctcaagttca
                                                                      420
gtgtgttaga actgcaagaa tatttggata cctacaacaa caggaaagag gccacactct
                                                                      480
                                                                      540
cttggcttgc aaattgtaag gcaacatttg cagggggatc aagagatgga gtaattacct.
gtcaaccagg ggactccgaa gaaaaggtaa taaaagcctg ttagaatggg tctcttgtgt
                                                                      600
gctctaacat tgtgtattag ttttggtcta cccaagaagc ctggaacttg agaaaagaag
                                                                      660
                                                                      720
aggeggaatg agteaceeea aacatttaca tgaaaceaac agagtaagae agaatgeett
                                                                      780
ccagcatgac tgtgtgttga tgggatttgt ggggaggttt cttcgttttg gaaaagtaga
                                                                      840
ggtataaaat aaccttttt gctggatact gtctaactat actaataatt tcctaataaa
                                                                      865
tttattctta attcagaaaa aaaaa
```

```
<210> 1865
<211> 801
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (1)...(802)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (15)...(738)
<223> similar to gi3879227 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1865 60 gggcagcctg cattgcgctg gagcagcacc tgtcccgctg ggcagaggat gggcgctggg 120 tegaataett etgeetggee gaaggeeaeg tggetteegt tgaeteagtg etgetgetee agggtgggtc actctgtctg tcgggctccc gagatcgcaa cgtcaacttg tgggacctgc 180 240 ggcagctggg gacggagtcc aaccaggttc tgatcaagac cttaggcact aagcgaaata 300 gtacccatga gggctgggtg tggtcactgg cagcgcagga ccaccgcgtg tgctccggct 360 cctgggacag cacagtgaag ctctgggaca tggcagcgga tgggcagcag ttcggcgaga 420 taaaggccag ctcagccgtg ctgtgcctct cctacctgcc tgacatcctg gtgactggca 480 cctatgacaa gaaggtgacc atctacgacc ccagagccgg cccagccctg ttgaagcacc 540 agcaactaca ctccagacce gtgctgacce tgctggcgga tgaccggcac atcatctcag geagegagga ceacaceetg gtggtggtgg accgeegage caacagegte etgcagegte 600 660 tgcagctgga ctcctacctg ctctgcatgt cctaccagga accccagctc tgggctggtg acaaccaggg cetgetgeac gtettegeca acegeaacgg etgettecag ettateeggt 720 780 cctttgatgt gggccacage tttcccatca ctgggattca gtactccgtt gggagccttt 801 gtanaccaca ttcactgaca a

```
<210> 1866
<211> 617
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(407)
<223> similar to gi4914601 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1866
ctcttctacg tctgaatgat ataagtgcag gggatcgcat acctgcttgg acatttgata
                                                                       60
tgaacacagg tgcttgggta aatcatggtc ggggaatggt caaggaacat aacaatcatt
                                                                      120
                                                                      180
taatetggae atatgatgea ceacatttgg ggtaetggat ageageteea etteeaggaa
ctagaggttc aggtataaat gaagattcca aggacataac tgcctaccac acagtgtttc
                                                                      240
ttacagecat attaggagga acaatagtea ttgteattgg attttttget gtactaettt
                                                                      300
                                                                      360
gttattgcag ggacaagtgt ggtactccac agaaaagaga aagaaatatc actaaacttg
aggiccicaa gagagaccag acaaciicaa caacacacai aaaicataic agiacagiia
                                                                      420
                                                                      480
aagttgcatt aaaagctgag gacaagtcgc agttattcaa tgccaaaaac tcctcatata
                                                                      540
gtcctcagaa aaaggaacca tcaaaggcag aaacagaaga aagagtttcc atggtaaaaa
```

```
<210> 1867
<211> 380
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(369)
<223> similar to gi5706479 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>.	1867					
gtgacctgga	tqtctgagga	ggaagtactt	cctgcaggac	aacctgccga	gggcaccacc	60
tactacctca	aggtcactgc	ccagcaggag	gagaagcagg	aggatgcagc	catctgccca	120
qtqacaqtqc	tccctgagga	gccagtgacc	ttccaggatg	tggctgagga	cttcagccgg	180
gaggagggg	ggctgctggg	cccgacacag	aggaccgagt	accgcgatgt	gatgctggag	240
			gagactacac			300
ccaaattctq	acattcctga	ggaagaacca	gccccagcc	tgaaagtaca	agaatcctca	360
	ccttgtcctc					380

```
<210> 1868
<211> 933
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (932)...(527)
<223> similar to gi2804436 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1868
                                                                      60
ttttttttt ttgtgtgttt agctttaatg tctattaaat aggttggaaa aacaggccaa
gtgtagggac ctgactcctg caaagggcct accgcagccc tctgcactca agcagcagcc
                                                                      120
ccatccagac caggagtgtg ttctgttctc ctggcaggca gggctgatag gtgtaggatg
                                                                      180
gcgtctgttt cctttgcagt gtgggctggt cagaggagaa acagcaactt cctgctcctt
                                                                      240
                                                                      300
ctcactgtgt cgttggctca ccatagacca cgtcctgcat tccctctgat tctctcatgg
                                                                      360
ggagageeet ggacettetg gtggtgteee agetgggtgg gtteaagget getaeeeege
                                                                      420
ttggggcagc tggcctgcag ggaagggcca gacggcacct ctcagtggag actgaatctt
                                                                      480
ccttccttca ggaggctgcc tccagggaag acctggggtc cttcctgcgc tcagcgctgg
```

```
540
ctggctgtcc tgttcatgca gtggaagaca ttacagaaga attcatacga gaagaacatg
aagcctgtgg agagggcagc cttcagcaag ctgggggaca ggcccttgaa gaagcccagg
                                                                      600
qcqccttcct tttgtagcac ctgcttggca cagtccatga ggcccttgta tctccgtacc
                                                                      660
tggccaaagg cagctctggc atgctcaaac cctccaacct gtagccgctt cttgaagagg
                                                                      720
                                                                      780
tccagcggat atgtcagggt cttgctgatg acaccagctc cactgccaca aagcaggttt
                                                                      840
tggaggttct catttttctt tccttcggct ggtatggccc acttgtacag gtgcttcaag
                                                                      900
gagetgtage aagagaactg cageeeggeg taggggaaga tggegateaa ggtgggagee
                                                                      933
aagcetttgt agaaaacetg ggggeetteg etc
```

```
<210> 1869
<211> 1028
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(978)
<223> similar to gi5824570 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1869
cggagactga catcetcagt tagttgtgca ctggatgaag ctgctgctgc actgacacgg
                                                                       60
                                                                      120
atgaaagcag aaaacagcca caatgcagga caagtggaca ctcgcagtct agcagaagct
tgttcagatg gggatgttaa tgctgttcgt aaattgctag atgaaggcag aagtgtaaat
                                                                      180
                                                                      240
gaacatacag aagaaggaga aagcctgctg tgtttggctt gttcagcagg gtattatgaa
ttagcacaag tattgcttgc tatgcatgct aatgttgaag atcgagggaa taaaggagac
                                                                      300
                                                                      360
ataactcccc tgatggcagc ttccagtgga ggttacttag atattgtgaa attattactt
cttcatgatg ctgatgtcaa ctcccagtct gcaacaggaa acactgcgct aacttatgca
                                                                      420
                                                                      480
tgtgctggag gatttgttga cattgttaaa gtgctcctta atgaaggtgc aaatatagaa
                                                                      540
gatcataatg aaaatggaca tactccctta atggaagcag ccagtgcagg tcatgtggaa
gttgcaagag ttcttttaga tcatggtgca ggcatcaaca ctcattctaa tgaattcaaa
                                                                      600
                                                                      660
gaaagtgctc taacacttgc ttgctacaaa ggccatttgg atatggttcg ctttctactt
                                                                      720
gaagctggtg cagatcaaga gcacaaaaca gatgagatgc acactgcctt aatggaggcc
                                                                      780
tgcatggatg gacatgtaga ggtggcacgt ttgcttttgg atagtggtgc tcaagtgaac
                                                                      840
atgcctgcag attcatttga atctccattg acgctagctg cctgtggagg acatgttgaa
                                                                      900
ttggcagctc ctactttatt gaaaggggga gcaaatcttg aagaagacaa tgatgaagga
                                                                      960
tacactccct tgatggaagc tgcccgggaa ggacatgaag aaatggtggc actactctta
                                                                     1020
gcacaaggag caaatataaa ttcccagaca gaagaaactc aagaaactgc tcttactttg
                                                                     1028
gcttgctg
```

```
<210> 1870
<211> 492
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (26)...(494)
<223> similar to gi1542813 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1870
gaccatagtc catgtggtgg aattccctgc caatgtgcac ctcatcaact ccggggtggg
                                                                       60
cgtgactgcc ctgcagctgc cttcggccac tgccccagga aacttcctcc tggccaaccc
                                                                      120
                                                                      180
tgtgtctggc agccccatcg tgacgggtgt ggccgtgcag cagggcaaga tcatcctcac
                                                                      .240
cgccaccttc cccaccagca tgctcgtctc ccaggtcctg ccgccagccc ccggcctggc
cetgecactg aagecagaga eggecatete egtgeetgag ggaggeetee eggtggeece
                                                                      300
cagccetget eteccagagg eteacgeect aggeaccett tetgcacage agecacceec
                                                                      360
                                                                      420
cgccgctgcc accacctcca gcaccagcct gtccttctcc cctgactccc ctggcctcct
geccaactte eeggegeee caceagaggg getgatgttg teaceegegg eegtgeetgt
                                                                      480
                                                                      492
ctggtcagca gg
```

```
<210> 1871
<211> 1102
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (375)...(1105)
<223> similar to gi5821434 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1871
aagtcagtct gttcttactg aatttcttct cttgaacttt ctgtttattc cttattttgg
                                                                       60
acacagtaga caattttgct caatttcact tctgcctttc ttgggttcag gtttggtacc
                                                                      120
                                                                      180
aataattggt aaagctgatg taattctaag tttttctcat ccagcgcata ggaaagcttg
                                                                      240
cctataggta tctgatttaa ttattttgaa tagtcaatgg gctaaccaag gagaagatga
                                                                      300
ggggatcaaa tatctgatgt ttaaattaaa ctagtattca tctctttact ttaaatttgg
totottaaag gtotogoatt tigittoatt tgtagtgoca cagittoagg attaatggta
                                                                      360
                                                                      420
ttctttcctt tcaggcttta aatgaagaaa ttgttaatag aaagaagaat gtagatcaag
                                                                      480
ctattaaaaa tggtcaggct cttctaaaac aaaccacagg tgaggaggtg ttacttatcc
aggaaaaact agatggtata aagactcgtt acgcagacat cacagttact agctccaagg
                                                                      540
                                                                      600
ccctcagaac tttagagcaa gcccggcagc tggccaccaa gttccagtct acttatgagg
                                                                      660
aactgaccgg gtggctgagg gaggtggagg aggagctggc aaccagtgga ggacagtctc
                                                                      720
ccacagggga acagataccc cagtttcagc agagacagaa ggaattaaag aaggaggtca
                                                                      780
tggagcacag gctggtgttg gacacagtga atgaggtgag ccgtgctctc ttagagctgg
                                                                      840
tgccctggag agccagagaa gggctggata aacttgtgtc cgatgctaac gagcagtaca
                                                                      900
aactagtcag tgacactatt ggacaaaggg tggatgaaat tgatgctgct attcagagat
                                                                      960
cacaacagta tgagcaagct gccgatgcag aactagcttg ggttgctgaa acaaaacgga
                                                                     1020
aactgatggc totgggtoca attogcotgg aacaggacca gaccacagct cagcttcagg
                                                                     1080
tacagaaggc tttctccatt gacattattc gacacaaaga ttcaatggat gaactcttca
                                                                     1102
gtcaccgtag tgaaatcttt gg
```

```
<210> 1872
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (273)...(413)
<223> similar to gi5931718 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 1873/
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (337)...(750)
<223> similar to gi4877552 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1873
                                                                       60
tttccagagc taagaacaca aagtcatgaa ggtgaaggag gagaaggctg gggtaggaaa
                                                                      120
gctggaccac actaaccaca ggaggagatt teeggateag aaagaatgee eteetateea
cattgggctt ccagtaccca cttaccctca aagaaaaact gaccagaagg gacatctttc
                                                                      180
                                                                      240
aggcctgcaa aaagtccact ggggcctgcg gccagaccag ccacagcagg aactgactgg
                                                                      300
cccagggagt ggggcaagca gccaggacag cagcatggat cttatcagca ggactcggtc
                                                                      360
cccagctgct gagcagctcc tgggcctgtc ttgagcaggt tcttcggtgg cctgtgtctg
                                                                      420
gatatcaaga ggaagttgcc ctggttccca agtgacttct atgatggctt ccacattcag
                                                                      480
tocatototg coatoctatt catotacoto ggotgtatca coaacgogat cacotttggt
                                                                      540
gggcttctgg gggatgccac cgacaattat cagggagtga tggagagctt cctgggcact
                                                                      600
gccatggctg gctccttgtt ctgcctcttc tcgggacagc ctctcatcat tctcagcagc
```

```
660
acggggccca tecteatett tgagaagete etettegaet teageaaagg caatggeetg
gactacatgg agttccgcct ctggattggc ctacactcag ctgtccagtg ccttatccta
                                                                       720
                                                                       749
gtggccacag atgccagctt tatcatcaa
     <210> 1874
     <211> 693
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (488)...(611)
     <223> similar to gi5081610 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1874
coctetetet geetgeagte tgtttetget gtaceteete aattetggae tgtgetette
                                                                        60
tagggagact agatgtatgc accacccaga aactgccagt agagagcacc ctacaggcat
                                                                       120
gacttggcag ctaggccatg tttatttccc ttggtggggc acccgacagg cagagtttat
                                                                       180
                                                                       240
tccctcagct tgggggtggc agtggtggtg gtagtgctag gggttactgc aggcaggttt
                                                                       300
ctgtttcttt gcatcccggg actggcttgt tctcaccttt ttgttctgtc cctctctgtg
                                                                       360
tatttacttt ctctcttttt gcattgttct cagccttcca tctgcatctc ttcatctctg
cctctcttgc ctgcatttcc tcaatcttga ttgtccctgc ctcttcctct gccattccct
                                                                       42.0
ctcttccccc tcagtctgtg gctctgcctc cctgtctcac tctccctata actggcctct
                                                                       480
ccctgctcag accttcctgg acgagetgca tgagacaggg cagetgcact ctatgtccac
                                                                       540
ctggatggag ctatatccag cagtcagcac tgatgtccgc tttgccaaca tgctgggcca
                                                                       600
                                                                       660
geogggtaag geagecagge tececettet etggeetgge tteetgeeet geeageetet
                                                                       693
ctgcgaattc caccacactg actaagggtc ttc
     <210> 1875
     <211> 434
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (13) . . . (429)
```

```
<400> 1875
gcggtggaat tccaaaggac caggcagcct gtgcagacca agttttacac agacgccatg 60
gtggtcttcc atcacgtcaa cgcctacgaa gaggacggct gcatcgtgtt tgacgtcatt 120
```

<223> similar to gi675458 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```
180
gcctacgagg acaacagcct ctaccagctc ttctacctgg ccaacctgaa ccaggacttc
                                                                      240
aaggagaact ccaggeteac eteggteece acceteagga ggtttgeegt geeceteeac
gtggacaaga atgcagaagt gggcacaaat ttaatcaaag tggtatctac aacagccacg
                                                                      300
gccctgaagg aagaagatgg ccaagtctac tgccagccgg aatttcttta tgaaggctta
                                                                      360
                                                                      420
gagettecae gggteaatta tgeteacaat ggaaageaat accgatatgt etttgetaca
                                                                      434
ggagttcagt ggag
     <210> 1876
     <211> 456
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (3)...(447)
     <223> similar to gi438371 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1876
acacttttgc tgccgcaget gccgctgtgt gtcgtactca gtccgccgta agtcagcaaa
                                                                       60
                                                                      120
tgcagcgtct ggaacaactc gttgggaaag aactgttcgc tcgtcacggt cgcaacaaac
                                                                      180
tgttaactga acatggcatt caacttcttg gttacgccag gaaaatcctg cgttttaatg
atgaggeetg eteateatta atgtteagta atetteaggg egtattaaet ateggtgett
                                                                      240
                                                                      300
cagatgaate tgeegataeg atettaeett teetgttaaa tegegtgagt teggtttate
                                                                      360
cgaaattage getggatgte egegttaaae gtaatgeeta tatggeagaa atgetggaat
                                                                       420
cccaggaagt ggatttgatg gtaaccaccc atcgtccttc agcgtttaag gcattgaacc
                                                                       456
tgcgtacctc gccaacacac tggctagggt actcaa
     <210> 1877
     <211> 470
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (16)...(471)
     <223> similar to gi342116 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1877
                                                                        60
aagtgtccca actgaactcg agtcactgtg gcggaattcg tccaagctac tgtgccagtc
                                                                       120
ttcatctaca ccagtaccct ccagttagcc gggcccaact cctacaagga aatcattgag
                                                                       180
aatgcccatg aagaagactt tetggaaaac acatggtetg etccatatee atacagcaaa
```

```
aagettgetgagaaggetgtgetggeagetaatgggtgaetetgaaaaatggtgatace240ttgtacacttgtgeettaagacceatgtatatetatgggaaggaageeatttettaet300gecaatataaatgaggeetgaacaacaatgggateetgtegagtgteagcaagttetee360acagecaacecagtetatgttggeaacgtggeetgggeeacattetggeettgagggee420ttgegggaceceaagaaggececaagtgteetaggacagttetaetatat470
```

```
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (65)...(460)
<223> similar to gi311946 in the genepept database release 114
Run with FASTXY 3.3t00, default parameters
```

<210> 1878

## <400> 1878 cgaggaatte getgggaggt aggegeggg eggteggetg eggtggegge gtttggatga 60 ttgtctctcg gcggcggagt cggatactgt ggcgtatgag gacctgtctg aggactatac 120 tcaaaagaaa tggaaaggtc tcgcactcag tcagagagcc ctgcactgga acatgatgct 180 240 ggaaaatgac cgtagcatgg cttctttggc aggtaggaac atgatggaga gttcagagct gactccgaag caggaaattt ttaaaggatc agagtcatct aatagcacat cagggggact 300 360 ctttggggtg gttcctgggg gaacagagac tggagatgtt tgtgaagata ccttcaaaga 420 gttagaagga caaccctcaa atgaagaagg gagcagacta gaaagtgatt tcttggaaat aatagatgag gataagaaaa aatccacaaa agacagatat g 461

```
<210> 1879
<211> 704
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (48)...(308)
<223> similar to gill81665 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1879
cttgtgctct ctgcccagct gtgctgaagt cccgagggac atgtccgctg cttgcgggtc ggttcctgag gaattggaag tgtcacgaga tgtggccctc gttgggctgg cgctcattgg cctcccttgt gcctgtgcag gaggagctga ttaactcagt ggtcatctcg cagctctccc acatcccga ggataaagac caccaggtcc gaaagctggc cacccagttg ctggtggacc 240
```

```
300
tggcagaggg ctgccacaca caccacttca acagcctgct ggacatcatc gagaaggtga
                                                                      360
gagccgttgt acceggggcc gggtgctagc gtgccagagc tccgtgggca gcaatggcct
                                                                      420
ctqqqcctc tgtcctcctc ttcgagtgac cggatggctg tgtccgtagg tgaggctccc
                                                                      480
ctccctgcag ggtgggtgtc ccgaggcctg tgcagggcct gccactgctg gatttgtgtc
                                                                      540
ctgactgaaa gtcctggaca tgggtgtcct gtcacactct gggacagctg ggctgggcct
cctggaccga cgctggagcc cagacctggg gctggggctg gggctttggc ctgccgtcct
                                                                      600
ccctgcccag ccaacagctt tgctctttga ttttcagatg cattttggtt tctgcacagt
                                                                      660
                                                                      704
cactcgggta taaagggcat ctttgctttt gagcaataaa gatg
```

```
<210> 1880
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(434)
<223> similar to gi2660716 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1880
caggaattcc gggcgccacc cacgcgttcg atggatcctg gaagagcgca agcgggtgat
                                                              60
geaggaggee tgegeeaagt acegggegag eageageege egggeegtea egeeeegeea
                                                             120
cgtgtcccgt atcttcgtgg aggaccgcca ccgcgtgctc tactgcgagg tgcccaaggc
                                                             180
                                                             240
300
cgacatccag cacaacaccg tccactatgg cagcgctctc aagcgcctgg acaccttcga
ccgccagggt atcttgcacc gtctcagcac ctacaccaag atgctctttg tccgcgagcc
                                                             360
                                                             420
cttcgagagg ctggtgtccg ccttccgcga caagtttgag caccccaaca gctactatca
                                                             453
cccggtcttc tgcatggcca tactggcccg gta
```

```
<210> 1881
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (56)...(289)
<223> similar to gi4140400 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1881 cataatgtat agtatttete etgecaacte tgaggaagge caggaacttt/atgtetgeac

```
agtcaaggat gatgtgaact tggatacagt acttctccta ccctttttga aagaaatagc agtaagccaa ctggatcaac tgagcccaga ggaacagttg ctggtcaagt gtgctgcaat 180 cattggtcac tccttccata tagatttgct gcagcacctc ctgcctggct gggataaaaa 240 taagccaagag cttcctgctg agcccatatt aatgccttcc tctatcgaca tcattgatgg agccaagag aagaaga 377
```

```
<210> 1882
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(382)
<223> similar to gi2314829 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## <400> 1882 gaaaatgttg agccatttcg acaaaaactg tccatgataa tcaaagagga gaaactgtgt 60 ctagctcagc tatacagtgg ggatgaaaca gacctctttt ggaagtcaat gccagaaaat 120 totcaggcaa gtaggaaaga tatotgoota ccagggaaga aaataaacaa agaaaggttg 180 totgootttt tatgtgdaaa tgcagacgga actcataaat taaagtcaat cattattgga 240 300 aaatcaaaac, tgcccaaaag tgtgaaagag gacacaagta cattgcctgt gatatataaa 360 cccagtaaag atgtttggtt caccagagaa ttgttttcag aatggttttt tcaaaacttt 420 gttcctgagg tccgacattt tcaacttaat gttctaagat ttcatgacga ggacgtcagg 438 gcatgttact tttgacag

```
<210> 1883
<211> 1019
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (210)...(545)
<223> similar to gi211610 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1883
ccttgggcag ctaccgctgc aagtgccggg aaggctacat ccgggaagat gatgggaaga 60
catgtaccag gggagacaaa tatcccaatg actctggcca tgagaagtct gagaacatgg 120
tgaaagccgg aacttgctgc gccacatgct aggagttcta ccagatgaag caaaccgcgc 180
```

```
tgcagctgaa gcacaagata gctctgctcc ccaacaatgc agctgacctg ggcaagtata
                                                                      240
tcactggtga caaggtgctg gcctcaaaca cctaccttcc aggacctcct ggcctgcctg
                                                                      300
ggggccaggg ccctcccggc tcaccaggac caaagggaag cccaggcttc cccggtatgc
                                                                      360
                                                                      420
caggecetee tgggeageee ggeecaeggg geteaatggg acceatggga ecateteetg
                                                                      480
atctgtccca cattaagcaa ggccggaggg gccctgtggg tccaccaggg gcaccaggaa
qagatggttc taagggggag agaggagcgc ctgggcccag agggtctcca ggaccccctg
                                                                      540
gttctttcga cttcctgcta cttatgctgg ctgacatccg caatgacatc actgagctgc
                                                                      600
aggaaaaggt gttcgggcac cggactcact cttcagcaga ggagttccct ttacctcagg
                                                                      660
aatttcccag ctacccagaa gccatggacc tgggctctgg agatgaccat ccaagaagaa
                                                                      720
ctgagacaag agacttgaga gcccccagag acttctaccc atagcacatc ccaacaccgt
                                                                      780
cacgccaaag gaagagaaag atcaactcac ctgcagttaa accatctaaa gagaagaaag
                                                                      840
accactggag acctagaaaa catacatttt tetettetet teteetgaeg teteteeact
                                                                      900
                                                                      960
cctcttcttc caaatacgat gctattttca gagtcccctc ctaggcctgc agacatgagg
gagtgaatga ttgatttacc tgcttctcac taagagtcca ttggggaggt ttgcatagt
                                                                     1019
```

```
<210> 1884
<211> 476
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(477)
<223> similar to gi6002478 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1884
gacaagtgtg gcaaaggttt cagtcacaac tcgtaccttc aagctcacca gagagttcac
                                                                       60
atggggcagc atctgtacaa atgtaacgtg tgtggtaaga gtttcagtta cagctcaggg
                                                                      120
                                                                      180
cttctcatgc atcagagact gcacacagga gagaaaccct acaaatgcga gtgcgggaag
                                                                      240
agetttggee ggageteega cetecacate cateagaggg tecacacagg agagaaacee
tataaatgca gtgagtgtgg gaagggcttc cggcggaatt cagaccttca cagccaccag
                                                                      300
                                                                      360
agggtccaca cgggagagag gccctacgtg tgtgacgtgt gtgggaaggg tttcatctac
                                                                      420
ageteegace teettateea teagagggte cacactggag agaaaceeta taaatgtget
                                                                      476
gagtgtggca aaggetteag ttacagetea gggettetea tteaceagag agteea
```

```
<210> 1885
<211> 375
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (2)...(377)
<223> similar to gi3880799 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1885

ttttttaagc aattttccaa attttcagca tgatattaat atttcttcat caaatgaaat 60
catttcttcc cggggcttca ttcagacaac agatgtttct tcctcagcca aaaagaaaat 120
attgttattc caattacgac gcatagctga agactgtcaa attcccctaa tggtgtataa 180
ccaggcattt atatattttg atcagtatgc tgcaatatta gaagacactg ttagaaatgt 240
attggttgca tcagcagcta tgttcattgt ttccttattg ttaatccctt atccattgtg 300
ttccttgtgg gtgacttttg ctatcggttc tgtgattgta ggggtaacgg gtttcatggc 360
attctggaaa gtcaa
```

```
<210> 1886
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(417)
<223> similar to gi1469870 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1886
ggcacgagaa ctggagacag gccctccact gtgaacaagc ttttgcagct tcccagcacg
                                                                       60
                                                                      120
accattgaaa atatetetgt gtetgteeac cagecacage ceaaacacat caaacttget
aageggegga tacccccage ttctaagate ccagettetg cagtggaaat geetggttea
                                                                      180
                                                                      240
gcagatgtca caggattaaa tgtgcagttt ggggctctgg aatttgggtc agaaccttct
ctctctgaat ttggatcagc tccaagcagt gaaaatagta atcagattcc catcagcttg
                                                                      300
tattcgaagt ctttaagtga gcctttgaat acatctttat caatgaccag tgcagtacag
                                                                      360
aactccacat atacaacttc cgtcattacc tcctgcagtc tgacaagctc atcactgagt
                                                                      420
                                                                      443
tctgctaatc caataacaat ggg
```

```
<210> 1887
<211> 388
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(390)
<223> similar to gi5019544 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 1887
ggcacgaggt aatatttat acatggatga atcagccagt gcagattcaa tcaggatatg
tgattttggg tttgcaaaac aacttcgagg agaaaatgga cttctcttaa ctccatgcta 120
cactgcaaac tttgttgcac ctgaggttct tatgcaacag ggatatgatg ctgcttgtga 180
tatctggagt ttaggagtcc ttttttacac aatgttggct ggctacactc catttgctaa 240
tggccccaat gatactcctg aagagatact gctgcgtata ggcaatggaa aattctcttt 300
gagtggtgga aactgggaca atatttcaga cggagcaaag gatttgcttt cccatatgct 360
tcatatggac ccacatcagc cgtatact 388
```

```
<210> 1888
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (504)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (340) ... (453)
<223> similar to gil698455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1888
                                       60
tggccctcga ggccaacaat tcggcacgag gaaannnnnn nnnnnnnnn nnnnnnnnn
                                      120
180
240
300
                                      360
nnnnnnnnn nnnnnnnnn nnnnnnnnn nnnnnnnatc ctgaagcatt tcatcaaaga
attgtaacag gagatgaaac atggcttctc cagcatgatc ctgaagaaaa agcacatttc
                                      420
aagcaaagca gaccagtcca gagcaaaggt tggagaggct ctagtgacaa ctcactcttg
                                      480
                                      503
tctcatggtc acgaattctt ggt
```

```
<210> 1889
<211> 760
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (15)...(724)
```

<223> similar to gi2315451 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1889
                                                                       60
ggcacgagga tatgtcatcg ccaggcttag aattgccatc ttgtgaatta agtcgccttg
aagaaattgc agaacttgtg gcatcatctt taccttcacc tcttcgtcgt gaaaaacttg
                                                                      120
                                                                      180
cactggcact agaaaatgag ggttatatta aaaagctcct ggagcttttt catgtgtgtg
aagatttgga aaatattgaa ggactgcacc acttgtatga aattatcaaa ggcatctttc
                                                                      240
tettgaateg aactgetett tittgaagtta tgttetetga agaatgtata atggaegtea
                                                                      300
                                                                      360
ttggatgttt agaatatgat cctgctttat cacaaccacg aaaacacagg gaatttctaa
caaaaacagc caagtttaaa gaagtgattc ccatatcaga tcctgagctg aaacaaaaaa
                                                                      420
                                                                      480
ttcatcagac atacagagtt cagtatatac aagatatggt tctaccaact ccttcggtct
ttgaagaaaa catgttatca acacttcact cttttatctt tttcaataag gtagagattg
                                                                      540
                                                                      600
ttggcatgtt gcaggaagat gaaaaatttc tgacagattt gtttgcacaa ctaacagatg
aagcaacaga tgaggaaaaa agacaggaat tggttaactt tttaaaagaa ttttgtgcgt
                                                                      660
tttcccaaac gctacagcct caaaacagag atgctttttt caagactttg tcaaacatgg
                                                                      720
                                                                      760
qcatattacc agctttagaa gtcatccttg gcatggatga
```

```
<210> 1890
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (235)...(343)
<223> similar to gi3149950 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1890
ctcatcctta aagtgacaga gtaaattaac tctaaggccc catccaggac tcaagctgtg
                                                                       60
tgattttaca aaaatgaaaa ttatattaat aatcccattg taaaatccca aaagaaagtc
                                                                      120
aagagactag cagaaagaca ggtgggtgat gggatgtcct ggacagagcc tggatcatga
                                                                      180
ggtccccatg tagtgcttgt actacgcaga tgtttcctct tgagctattt taaaggtgtg
                                                                      240
                                                                      300
gaaaaagcca aagcaatgcc ctctccacgg atactaaaga ctcacctttc cactcagctg
ctgccaccgt ctttctggga aaacaactgc aaggtaagat accaacagct ccctgtgaca
                                                                      360
gaagggaaag taagccaacc aaagcgagtc ctgcagaccc caacgcagag cattcgtgat
                                                                      420
                                                                      480
cacctttgcc tctccactgt ctctgatgct taccagcaaa gagaaaacat aaagttctac
attragragg arattract gaaragtttr aaataggara tgaaggragg atragattg
                                                                      540
                                                                      600
aatgtttgga gggaactaga gacatgggga ggcagtgagt gcagtaagcg tagctgtgaa
                                                                      621
atgaaggga gaagatggtg g
```

```
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(274)
<223> similar to gi984814 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400>	1891					
tatgaatcgt	cacagcactg	agaaaaccca	cctatgtgac	atgtgtggca	agaaattcaa	60
			ccttcacact			120
			gaagccacag			180
			ccattgccat			240
ctctctgaag	cggcactaca	acaggaagca	ccctaatgag	gagtatgcca	acgtgggcac	300
cggggagctg	gcagcggagg	tgctcatcca	gcaaggtggt	ttgaagtgtc	ctgtttgcag	360
	ggcaccaaat			•		395

```
<210> 1892
<211> 377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (49)...(378)
<223> similar to gi1934912 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 1892

ctatggaccc gcagctcatc ccctgctcac cacctggcct ctccttttct ctgtgtgcag 60
atctggcagt gtggtgggt tctggaaaca cacccatgtt cccatgttgg ccatgtttc 120
cccaagcaag ctccctactc ccgcaacaag gctctggcca acagtgttcg tgcagctgaa 180
gtatggatgg atgaatttaa agagctctac taccatcgca acccccgtgc ccgcttggaa 240
ccttttgggg atgtgacaga gaggaagcag ctccgggaca agctccagtg taaagacttc 300
aagtggttct tggagactgt gtatccagaa ctgcatgtgc ctgaggacag gcctggcttc 360
ttcgggatgc tccagaa
```

```
<210> 1893
<211> 338
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc\_feature
<222> (1)...(213)
<223> similar to gi3880999 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 1893
atgcgaattg ctagcatcag caaaagtctc accatggttg ctcttgccaa attgtgggaa 60
gcagggaaac tggatcttga tattccagta caacattatg ttcccgaatt cccagaaaaa 120
gaatatgaag gtgaaaaggt ttctgtcaca acaagattac tgatttccca tttaagtgga 180
attcgtcatt atgaaaagga cataaaaaag gtgaaagaag agaaagctta taaagccttg 240
aagatgatga aagagaatgt tgcatttgag caagaaaaag aaggcaaaag taatgaaaag 300
aatgatttta ctaaatttaa aacagagcag gagaatga 338

<210> 1894
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (3)...(707)
<223> similar to gi5834394 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```
<400> 1894
aggegetgge ctatgetgaa gtggetggae teeegeeeca gtatggeete taetetgeet
                                                                       60
                                                                      120
teatgggetg ettegtgaat ttetteetgg geaceteeeg ggatgtgaet etgggeeeea
ccgccattat gtccctcctg gtctccttct acaccttcca tgagcccgcc tacgctgtgc
                                                                      180
                                                                      240
tgctggcctt cctgtccggc tgcatccagc tggccatggg ggtcctgcgt ttggctcaca
                                                                      300
tetecectea teetetggga etgggtggag eegggaceag etegatgtee eetettgget
                                                                      360
ggccagggtt cctgctggac ttcatttcct accccgtcat taaaggcttc acctctgctg
ctgccgtcac catcggcttt ggacagatca agaacctgct gggactacag aacatcccca
                                                                      420
                                                                      480
ggccgttctt cctgcaggtg taccacacct tcctcaggat tgcagagacc agggtaggtg
                                                                      540
acgccgtcct ggggctggtc tgcatgctgc tgctgctggt gctgaaactg atgcgggacc
acgtgcctcc cgtccacccc gagatgcccc ctggtgtgcg gctcagccgt gggctggtct
                                                                      600
                                                                      660
gggctgccac gacagetege aatgecetgg tggteteett egeageeetg ggtgegtaet
                                                                      713
ccttcgaggt gactggatac cagcctttca ttctaacagg ggagacagct gag
```

```
<210> 1895
```

<sup>&</sup>lt;211> 561

<sup>&</sup>lt;212> DNA

# <221> Homo sapiens <220> <221> misc\_feature <222> (14)...(563) <223> similar to gi1825636 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1895
atcagataat agtgaataca gtaaatcaga aaaaggcaaa aataaagaaa aagacaggga
                                                                60
                                                               120
gctagataaa aaggaaaaat ctagagataa agaaagtata aatataacta actccaaaca
catacaggaa gaaaaaaaat caagtatagt agacggtaat aaagcacaac atgaaaaacc
                                                               180
240
agataaaaaa gataaagata tagatagata caaagaacga gacaaacata aagataaaat
                                                               300
tcaaataaat agettaetea aaetaaaate tgaageagat aageetaaae etaagteate
                                                               360
accagcatca aaagataccc gacctaaaga aaagaggtta gtgaatgatg atttaatgca
                                                               420
                                                               480
gacaagtttt gaacgaatgc taagccttaa agacctagaa atagaacagt ggcacaaaaa
acataaggaa aaaattaagc aaaaagaaaa ggaacggttg agaaaccgaa actgtttaga
                                                               540
                                                               561
acttaaaata aaaaaaaaaa a
```

```
<210> 1896
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(421)
<223> similar to gi5912208 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1896
ataatttaga ttgtggactt agttacaggg ttatttctta ccttaaaaaa ctcagccaac agaccaaact agagtcagaa cgaatactag catcagtggg gaagaaacct ccccaggaaa 120
ttggaattaa agtgaaaaat cattctggag gtggcatgtc cttgactcac aataaaaatt 180
ttagaaaact attgaaagaa atcacagggg aaactgcact tagactgaca gaattgaaca ccaaagaatt tgctggcttc caaattgggc tcttaaacaa ggatttgaaa cctcagacat acagaaatgc ttatgatatt ccccgtagag gtcttttaga ccagctgacc agaatgagat 360
ccaatctgct gaaaacgcac aagtttattg ttggacaaga tgaagattcc cttcatag
```

```
<210> 1897
<211> 851
<212> DNA
```

```
<220>
     <221> misc_feature
     <222> (3)...(854)
     <223> similar to gil212992 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1897
aaccatcaga tccagaggtt gcaggagatc ccatatttcc accggggcca ccttcttgcc
                                                                        60
cagaagttaa agataaaacg aagtcaagca tctcactagg atggaaacct ccagccaaag
                                                                       120
atggtggcag cccaatcaaa ggatacattg tagaaatgca ggaagaaggt actactgact
                                                                       180
                                                                       240
ggaaaagagt aaatgaacca tacaaactta taactacctg ggaatgtggg gggcctaatc
tgaaagagct caggaagtac agattcagag tgaaagctgt caatgaagct ggtgaatctg
                                                                       300
aaccaagtga tacaactggg gagatccctg ccactgatat tcaagaggaa ccagaagttt
                                                                       360
tcattgacat tggagcacag gactgtctgg tttgtaaagc tggctcacag attaggattc
                                                                       420
ctgctgtcat caagggacgc ccaacaccaa aatcatcttg ggaatttgat ggaaaggcaa
                                                                       480
agaaagcaat gaaggatgga gttcatgaca tacccgaaga tgcacagctg gagactgctg
                                                                       540
aaaactcctc agtaattatt attccggagt gtaaacgatc tcatacaggc aaatacagca
                                                                       600
teacagecaa gaataaagea ggacaaaaga etgcaaattg cagagttaaa gtcatggatg
                                                                       660
taccaggccc acccaaagat ctgaaagtca gtgatatcac aaggggtagt tgcagacttt
                                                                       720
                                                                       780
catqqaagat gccagacgac gatggaggag acaggatcaa aggctatgtt attgagaaga
                                                                       840
ggactattga tggaaaagcc tggaccaaag tcaatccaga ctgtggaagc accacatttg
                                                                       851
tagtgcctga g
     <210> 1898
     <211> 603
     <212> DNA
     <213> Homo sapiens
     <220> .
     <221> misc_feature
     <222> (1)...(604)
     \langle 223 \rangle n = a,t,c or g
     <220>
     <221> misc feature
     <222> (541)...(1)
     <223> similar to gi4589520 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1898
cgcatcagca tccttgctgc tgccgatgct ggaatggcta gtgatgctgt tgaggcttga
                                                                        60
                                                                       120
gatgctatct gaggagtttt gtctcttgat ccgaagttct ttgggtgtgg tttctgaggc
attaaggget ecetgaatga etgeetggge eteagagtte tttttettea gaaagtetat
                                                                       180
```

<213> Homo sapiens

ggtttetege aaatecagea geteagtgte etteteeteg geegtetetg ceaggtgteg eaggegggat gteatattea ceaggetetg etcaaaagea geeaceagat tageattgge

240

300

```
agaaagctga gacgtcaagg tggccacttt ttcctgggat gattccagtt ccctacgaag 360 cttccggatt tgctcagatt gcatcctctc ctcagctgag gagtaggtgg aggaggcact 420 ggaggccagg gacagcactg agccgtgaac atcgtccgtg gggtctcgga aggatcctga 480 ccgaatcatt cccttgggtc tctcggccag ggacagggtg ctcccccgga cgcgtgggtc 540 gaccgggaat ccggngcggt cctcaggcga tcaacnaggg tttcaattnn ttnntctngg 600 tca
```

```
<210> 1899
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (50)...(240)
<223> similar to gi2143260 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 1899
accgggacga cccacgcgtc cgggaattta attctattat atatgcagac tttctaaaga 60
agataaagct tttttatggg agaaacgtta ttattgcttc aaacacccaa attgtcttcc 120
taaaatatta gcaagcgccc caaactggaa atgggttaat cttgccaaaa cttactcatt 180
gcttcaccag tggcctgcat tgtacccact aattgcattg gaacttcttg attcaaagta 240
agtcaaatac atttatttgc tcttgtttta ttgtcagttt ttccagtaag gtatgttgcc 300
agaagtattt cctttccttt taacatgaaa gcaattcaat ataatccaaa tgtgtaaatg 360
tatatttata caaacatatc ttctgcattg aagttgtcaa taaagcattg catgt 415

```
<210> 1900
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (411) . . (614)
<223> similar to gi4378022 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1900
cgttttctcg gggagatgcg ccgcccggtc tccctgccag cggagtgctg ggccgaggac 60
agggcggcag gggtgacagt ggggtccagg agagtctcaa aatcctaagc tttcagtatt tgttattgtg aaagaagtta attcacctga aacagaggag gggcaacctg agttatcaga 180
aagtgacttc ctggccttcc cttctttact gatcaggtca atgtctggtc tgggtccagt 240
```

```
300
gttccttccc aaactgtggg aaatggaggc ggctgtgtgg gaacattgac ccctcagttc
                                                                      360
tcccagataa ttggtcctgt gatcagaaca cagcagatgt gcagtataat cgctgtgata
ttcctgagga gacctggaca gggcttgaga gtgatgtggc ctatgcctcc tacatcccag
                                                                      420
gatccatcat ctgggccaag caatacggtt acccctggtg gccaggcatg atagaatctg
                                                                      480
atcctgactt aggggaatat tttcttttta cttcccatct tgattccctg ccgtctaagt
                                                                      540
accatgtgac gttttttgga gaaacagttt ctcgtgcatg gatcccagtc aacatgctaa
                                                                      600
agaacttcca ggagctgtcc ctggagctat cagtcatgaa aaagcgcaga aatgactgca
                                                                      660
                                                                      720
gccagaaact gggggtggcc ctgatgatgg ctcaagaggc agaacagatc agcattcagg
                                                                      737
aacgggttaa cttgttt
```

```
<210> 1901
<211> 918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(920)
<223> similar to gi3413892 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1901
                                                                       60
agccgacacc ctttacagtc aaattaaaga agatgtcaaa aagcgtgctg tggcactgga
tgaagccatt tctcaatcaa ctcagttcca tgacaagata gatcagatcc ttgagagcct
                                                                      120
ggaacgcatc gtggaacgtc tgaggcagcc accetetate tetgcagagg ttgagaagat
                                                                      180
caaggaacag atcagtgaaa ataagaatgt gtcagtagac atggaaaagc tacagccgtt
                                                                      240
                                                                      300
gtatgaaact cttaaacaga ggggagagga aatgattgct agatctgggg ggactgataa
agacatatct gccaaagctg ttcaggataa gcttgaccaa atggttttca tttgggagaa
                                                                      360
catacacaca ctggtggaag agagggaagc caaactactg gatgtgatgg agctagcaga
                                                                      420
                                                                      480
aaagttetgg tgtgateaca tgteattgat agttaceatt aaagataete aagattteat
                                                                      540
ccgggacctg gaagatcctg gaattgatcc ttcagtagta aaacaacagc aagaagcagc
agagaccata agggaagaaa tagatggact acaggaggag ctggatatag ttattaacct
                                                                      600
aggttctgaa ctcattgcgg catgtgggga gcctgataaa cccattgtca agaagagtat
                                                                      660
agatgagtta aattcagcat gggattctct aaataaagct tggaaagacc ggattgacaa
                                                                      720
acttgaggag gcaatgcagg ctgccgttca gtaccaggat ggactgcagg cggtatttga
                                                                      780
ctgggtagat attgcaggtg gtaaattagc ttcaatgtct ccaattggaa cagatctcga
                                                                      840
aactgtcaag cagcagattg aagagctaaa gcaatttaag tctgaggcct atcaacagca
                                                                      900
                                                                      918
gatagaaatg gaaagact
```

```
<210> 1902
<211> 610
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (15)...(613) <223> similar to gi407139 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1902
tcgcggacgc gtgggtttct ggtgaaggtg gaacgtctat aaccaactta caatttatgg
                                                                       60
gggaagcctt taagagtatc catgagaagg tatcaaaaat atcagaaact aggaaatcag
                                                                      120
atcaaaaaac cactgagtca acagtaacca gaaaaactga accaaaagct cctgaaccaa
                                                                      180
tttcctcaaa accagtaatt gttactgggt tgcaggatac aactgtttct tcagacagtg
                                                                      240
                                                                      300
ttgctaaatt tgcagttaag gctactggag aaccccggcc aactgccatc tggacaaaag
atggaaaggc cattacacaa ggaggtaaat ataaactctc tgaagacaag ggagggttct
                                                                      360
tcttagaaat tcataagact gatacttctg acagtggact ttatacttgt acagtaaaaa
                                                                      420
attcagctgg atctgtgtcc tctagctgca aattaacaat aaaagctata aaagatactg
                                                                      480
                                                                      540
aggcacagaa agtctctaca caaaagactt ctgaaattac acctcagaag aaagctgttg
tccaagagga aatttcccaa aaagccctaa ggtctgaaga aattaagatg tcagaggcaa
                                                                      600
                                                                      610
aatctcaaag
```

```
<210> 1903
<211> 836
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(752)
<223> similar to gi5732618 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1903
tcatgacctt tgaactctat gaggaatttc ttcgagctat gggccttcag gagaggaagg
                                                                       60
agacaateeg tggtgtatae tetgtgattg atcaaetete eegaaeteat etcaatacae
                                                                      120
                                                                      180
tggaacgeet catettteat etagteagga ttgetetgea ggaagacaet aategaatgt
ctgctaatgc tttggccatt gtgtttgcgc cctgcattct ccgctgccct gacaccactg
                                                                      240
acccactaca aagtgtacag gacatcagta agactaccac ttgtgtggaa ctgattgttg
                                                                      300
tggaacaaat gaataaatac aaggctcgtc tcaaagatat cagtagcttg gaatttgctg
                                                                      360
agaataaggc aaagaccagg ttgtcactga ttcgtagatc aatgggaaag gggcgtattc
                                                                      420
                                                                      480
gtcgaggaaa ctatccaggt ccatcgtctc ctgttgtagt tcggttgcct tctgtgtctg
                                                                      540
atgtctcaga ggagaccttg actagtgagg cagccatgga gactgacatc acagaacagc
                                                                      600
agcaagcagc tatgcagcag gaggagagag tactgactga gcagattgag aacctacaga
                                                                      660
aggagaagga ggagctaaca tttgagatgc ttgtactgga accccgtgcc tctgatgatg
aaacccttga gtctgaggcc tccattggga ctgctgatag ctcagagaat ttgaatatgg
                                                                      720
                                                                      780
agtctgaata tgctatctct gagaaatcag gtaagtgaac atggtagacc aaagactcca
                                                                      836
gatttgtttt gcaaaggagg aataaagatt ccaaaactaa gacaaagtct tttaaa
```

```
<210> 1904
     <211> 397
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (2)...(399)
     <223> similar to gi1212992 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1904
aattcgtaat gctgcccatg aagatggtgg aatttattct ttaacagtgg agaatctagc
                                                                       60
tggttcaaaa actgtctcag taaaagtact tgtattagat aaacctgggc cacctagaga
                                                                      120
tctggaagtc agtgaaatta ggaaagattc atgttccctt acttggaaag aaccactgga
                                                                      180
tgatggtggt tctgttatta ccaattatgt ggttgagagg agagatgttg ccagcgccca
                                                                      240
gtggtcacct ctctcagcta catcaaagaa aaagagtcac ttcgctaagc atctgaatga
                                                                      300
aggcaaccag tacctcttcc gagtagctgc ggagaaccag tatggacgtg gtccttttgt
                                                                      360
                                                                      397
tgaaacacca aaaccaatca aggetttgga teetete
     <210> 1905
     <211> 419
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (3)...(422)
     <223> similar to gi407139 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1905
atcaatacag acctaaatgg cgtattccta aactgtccca agatgatctt gagatagtga
                                                                        60
                                                                       120
qaccaqcccg ccggcgtaca ccttctcctg attatgactt ttactaccga cctagaagac
gttctcttgg ggacatctct gatgaagaat tactcctccc cattgatgac tacttagcaa
                                                                       180
                                                                       240
tgaaaagaac agaggaagag aggctgcgtc ttgaagaaga gcttgagtta ggtttttcag
                                                                       300
cttcaccccc aagtcgaage cetecacact ttgagettte tagectacgt tactetteac
cacaagetea tgtcaaggtg gaggaaacaa gaaaagaett caggtattea acetateaca
                                                                       360
                                                                       419
tcccaacgaa ggctgaagct agtacaagtt atgcagaact gagggaacgg catgcccag
```

<210> 1906 <211> 770

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(772)
<223> similar to gi407139 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1906
                                                                       60
aqtaactata actgtccacc cagagcctca tgtaacatgg tataaatcag ggcagaaaat
caaaccaggt gacaatgaca agaagtacac atttgagtca gacaagggtc tttaccaatt
                                                                      120
                                                                      180
aacaatcaac agtgtcacta cagatgatga cgctgaatat actgttgtgg caaggaacaa
atatggtgaa gacagctgta aagcaaagct gacagtaacc ctacacccac ctccaacaga
                                                                      240
                                                                      300
tagtacetta agacecatgt teaaaaggtt aetggeaaat geagaatgee aagaaggeea
aagtgtctgc tttgagatca gagtgtctgg catcccccca ccaacattaa aatgggagaa
                                                                      360
agatggtcag ccactgtccc tcgggcctaa cattgaaatt atccatgaag gcttggatta
                                                                      420
ttatgctctg cacatcaggg acactttgcc tgaagacacg ggttattata gagtcacagc
                                                                      480
cactaacaca getgggteca ecagetgeca ggeteaceta caagtggaac geetgaggta
                                                                      540
caagaaacag gaattcaaga gtaaggagga gcatgagcga cacgtacaaa aacaaattga
                                                                      600
caaaaccctc agaatggctg aaattctttc tggaactgaa agtgtaccac tgacacaggt
                                                                      660
                                                                      720
agctaaagag gctctgagag aagctgctgt cctttataaa ccggctgtaa gcaccaagac
tgtaaaaggg gaattcagac ttgagataga agaaaagaag gaggagagag
                                                                      770
```

```
<210> 1907
<211> 813
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(807)
<223> similar to gi407097 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1907
cgacccacge gtccgagaac gcccacggcc aggcctcctc cttcgccaat ttcctcgtcc
                                                                       60
gcacttacct ggggaaggat gctggcttcg attcagagat cttcaaaaga tcgacgtttg
                                                                      120
gccccagcgt ggaattcacc tcggtgctga agccagtctt tgctcgtgag aaggaaccct
                                                                      180
                                                                      240
tetecetyte atgettytt teggaagaty tyttagatye tyagageate cagtyyttee.
gagatgggag cctactgagg tcctcgagac gtcggaagat cctctacaca gaccgccagg
                                                                      300
                                                                      360
catecetgaa ggtgteetge acetacaagg aggaegaggg getetacatg gteegggtge
                                                                      420
cctcgccctt cggaccccgg gaacagagca cctacgtgct tgtgagagat gccgaggccg
                                                                      480
agaacccgg ggccccaggc tccccactga acgtccgatg cctggatgtg aacagagact
                                                                      540
gcctcatcct gacttgggcc ccgcccagtg acacccgggg caaccccatc actgcctaca
                                                                      600
ccattgagcg gtgccagggc gagtctgggg aatggatcgc ctgccatgag gcccccggag
                                                                      660
ggacttgtcg gtgcccaatc caaggcctcg tcgaaggtca gagctatcgg ttccgggtga
```

```
gagccatcag cagggtaggc agcagcgtcc cctccaaggc ctcagagttg gttgtcatgg 720 gtgaccatga tgcagccgg aggaagacag agatcccctt tgatctggga aacaagatca 780 ccatcagcac agacgctttt gaagatactg tgg 813
```

```
<210> 1908
<211> 1279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(1182)
<223> similar to gi5821434 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1908 60 agaattttct attctgctcc agaaagccga agaacatgaa gagtcacaag gtcctgttgg 120 tatggaaacg gagactatta atcagcagct taacatgttc aaggtattcc agaaagaaaa 180 gattgaaccc ttgcaaggta aacagcaaga tgtaaactgg ttaggtcaag gccttattca 240 gagtgctgcc aaaagcacta gcactcaggg cttggagcat gacctggatg atgtcaatgc 300 acggtggaag actctcaata agaaggtggc tcagcgagca gcccagctgc aggaggcctt 360 gctgcactgt gggaggttcc aggatgccct ggagtccctg ctcagctgga tggtggacac 420 tgaggagett gtggccaatc agaageeece gteggetgag ttcaaagtgg taaaggeeea 480 gatacaagaa caaaagette tecagagatt gttggatgac cgaaaateta cggtggaggt aatcaaacga gaaggagaaa aaattgctac aacagcagag cccgcagata aagtgaagat 540 600 tttgaaacag ctcagtctct tggatagcag atgggaggca ttgcttaata aagctgaaac 660 aaggaatcgt cagttggaag gtatctcggt ggtagcacag caatttcatg aaaccttaga 720 accactgaac gagtggctta caaccataga aaagaggctg gtgaattgtg aacccatagg 780 aacccaagca tctaaacttg aggaacaaat tgcacagcac aaagccttag aagatgacat 840 catcaatcac aataaacatt tacaccaggc tgttagcatt ggccagtcct taaaggtttt 900 gagetecagg gaggataaag atatggtgea gagtaaatta gaettetete aagtatggta 960 cattgagatt caagagaaaa gtcacagcag gtctgagctc ctccagcagg ccttatgtaa 1020 tgctaagatt tttggggaag atgaagttga actgatgaac tggctgaatg aagtgcatga 1080 caaactqaqc aaqctctcaq tccaggatta cagcactgaa gggctatgga agcagcagtc 1140 tgaacttcag gttctgcaag aggacatctt actcaggaaa caaaatgtag atcaggcttt 1200 actaaatggt ttagaactac ttaaacaaac cacaggtgag atatetttea aateacatea 1260 tcatgtggtc agcattttat attgttttca aaatatttta gggatgggaa aaaaccaaaa 1279 cactttataa tttttggtg

```
<210> 1909
<211> 739
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (1)...(740) <223> similar to gil212992 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1909
                                                                       60
aagcgagcca tgtttgaatg tgaagtttct gaacctgaca tcactgtaca gtggatgaaa
                                                                      120
gatgaccagg aactgcagat cacagacaga ataaagattc agaaggagaa atatgtccac
cgccttctga tcccatccac ccggatgtct gatgctggga agtacacagt ggtggcagga
                                                                      180
ggcaacgtgt caactgcaaa actetttgta gaaggcagag atgttegeat eegaagtatt
                                                                      240
aaaaaggagg ttcaggtcat tgagaaacag cgtgctgttg ttgaatttga ggtcaatgaa
                                                                      300
gacgatgttg atgcccactg gtataaagat ggcattgaaa tcaatttcca agttcaagaa
                                                                      360
cgacacaaat atgtagtgga aagaagaatc caccgaatgt ttatctctga gaccagacag
                                                                      420
                                                                      480
agcgatgcag gagaatacac ctttgtggca ggaaggaaca ggagttctgt cactctctat
gtcaatgctc ctgaaccgcc ccaagttctg caggagctcc agcctgtcac tgtgcagtct
                                                                      540
ggcaagcctg cccgcttctg tgccatgata tccggaagac cacagcccaa aatttcctgg
                                                                      600
tacaaggaag agcagctgct ttccactggc ttcaagtgca aatttcttca tgatgggcaa
                                                                      660
qaqtacacgc ttttgctaat tgaagccttc ccagaggatg cggcagtcta tacctgtgaa
                                                                      720
                                                                      739
gccaagaatg actatggtg
```

```
<210> 1910
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(467)
<223> similar to gi3327216 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1910
gtgaggacct gactgtggcc ctgcaagcag aggaactgac cctccagcag ctgggcaccg
                                                                       60
tgggactctg gcagttcctg catggacagt gcccaggtac atgctttcag gaatcctcaa
                                                                      120.
ctttgaagac tggccacatc aggccagctg tgggccttcg ctttgaggtg gggcctggag
                                                                      180
                                                                      240
caqctqttca ttccccctg gcctcacaaa atggcttcct acatttattg cttcatggct
                                                                      300
gtgacctcga gctgctcact tcagtgctca gtggcctggg gcccttcttg gaggatgagg
                                                                      360
agatcccggt ggtagtcccc atgcagattg agcttctgaa ctccagcatc accctaaagg
atgatatece ecceatetat ecaacatete caggeeceat ecceateaet etggeeatgg
                                                                      420
aacatgttgt gctgaagagg agtgatgatg gtgtgttcca cataggcgct gctgctcagg
                                                                      480
                                                                      540
acaaaccatc agctgaagta cttaaaagtg agaagagaca gcccccaaaa gaacaggtgt
ttttggtgcc cacaggagag gtttttgaac agcaggtgaa agaactgcct atcctacaaa
                                                                      600
                                                                      650
aagaacttat agaaactaaa caagccttgg ccaatgccaa ccaagataag
```

```
<210> 1911
<211> 815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(816)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (27)...(389)
<223> similar to gi4164366 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1911
gcggccgcaa cgtctgcaag ttcgcgctgc acagcggcta cagcagctac agcctcagcc
                                                                  60
gegegeegga eggegeegee etggeeaceg egegegeete geeceggeag gaaaaggatg
                                                                 120
cgcctccact tagcaagget gggcaggatg tggttetgca tetgcccaca gacggggtgg
                                                                 180
ttctagacgg ccgcgagagc acagatgacc acgccatcgt ccagtatgag tgggcactgc
                                                                 240
tgcaggggga cccgtcagtg gacatgaagg tgcctcaatc aggaaccctg aagctgtccc
                                                                 300
acctacagga gggaacctac accttccagc tgaccgtgac ggacactgcc gggcagagaa
                                                                 360
gctctgacaa cgtgtcagtg acagtgcttc gcgcagccta ctccacagga ggatgttttg
                                                                 420
cacacttgct cacgctacca cttcttctgt gacgatggct gctgcattga catcacgctc
                                                                 480
gcctgcgatt ggagtgcagc agtgtcctga tgggtctgat gaagacttct gccagaatct
                                                                 540
                                                                 600
agggccgagt gaagatgcag gggggtgact ccttggtgga aaagtctcag aaagccactg
                                                                 660
ccccaaacaa gccacctgca ttatcaaaca cagagaagag gaatcattcc gccttttggg
                                                                 720
gaccagagag tcaaatcatt cctgtgatgc cagatagtag ttcctcaggg aagaacagaa
                                                                 780
                                                                 815
aagaggaaag ttatatattt nagtcaaagg gtgat
```

```
<210> 1912
<211> 338
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(339)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (338)...(245)
<223> similar to gi307095 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 1913
<211> 663
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (256)...(664)
<223> similar to gi3628757 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1913
                                                                       60
qcttccattt tactttgttt ttaaactgta aagtggggat aatgactgtt cccatcttag
agagtcaatg ggcaaattca gtgagaaaat gtatgtaaaa tatttagctg agttcctgac
                                                                      120
                                                                      180
gtaattcata tgattaatgg taagaagagg tttgcatact tgcttttcaa atgactattt
                                                                      240
cttggagtta gatgcgtaat tagatcatgt tgatatgact aattittgagt tcaagttaac
                                                                      300
cttaaccaca cttctatctt atttcagatt tttgggtttc tgatatgctt gggaattatt
cttgcaatag gaaattcaat ctgggagagt caaactgggg accaattcag aactttcctc
                                                                      360
                                                                      420
ttttggaatg aaggagagaa gagetetgtg tteteeggat tettaacatt etggteatat
attattatto toaatacagt tgtacccatt toottatatg tgagtgtgga agtaattogt
                                                                      480
                                                                      540
ctaggacaca gatattttat aaactgggac cggaagatgt attattctcg aaaagcaata
                                                                      600
cctgcagtgg ctcgaacgac cacgctcaat gaggaactgg ggcagattga gtacattttc
                                                                      660
tccgacaaaa cgggtaccct cactcaaaac atcatgacct ttaaaagatg ctccattaat
                                                                      663
ggg
```

```
<210> 1914
<211> 445
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (142)...(446)
<223> similar to gi286103 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1914
gaaacctgtc actcttacac atcagacaaa tcctaaaccc catgtgaata gtgtgggtgg
                                                                       60
ccataattta tatggcttat atcaaatgtc cttatgaatg cttataatta cataaaattt
                                                                      120
attettteat tittatagie igiteggeae tigaagtaet eetigiitaa aaaateaeta
                                                                      180
ctgggcagtg tttcggataa tggaatagta actctctggg atgtaaatag tcagagtcca.
                                                                      240
                                                                      300
taccataact ttgacagggt acacaaagct ccagcgtcag gcatctgttt ttctcctgtc
aatgaattgo totttgtaac cataggottg gataaaagaa toatootota tgacaottoa
                                                                      360
agtaagaagc tagtgaaaac tttagtggct gacactcctc taactgcggt agatttcatg
                                                                      420
                                                                      445
cctgatggag ccactttggc tattg
```

```
<400> 1915
acatggttca aagcattcag gtagaactgg aagccgaggc ggaaaagatg cgggtgtccc
                                                                       60
                                                                      120
agcaagaatt actttctgtt gatgaatctg tttacactcc agactctgat gtggccgcac
cacagatcaa caggaacctc atccagaagg ctggttacct taatcttaga aacaaaacag
                                                                      180
                                                                      240
ggctggtcac caccacctgg gagaggcttt atttcttcac ccaaggcggg aatctcatgt
gtcagcccag gggagccgtg gctggaggtt tgatccagga cctggacaac tgctcagtga
                                                                      300
tggccgtgga ttgcgaagac cggcgctact gcttccagat caccacgccc aatggaaaat
                                                                      360
                                                                      420
cgggaataat cctccaggct gagagcagaa aggaaaatga agagtggata tgtgcaataa
acaacatete cagacagate tacetgaceg acaaceetga ggcagtegeg atcaagttga
                                                                      480
atcagaccgc totgcaagca gtgactccca ttacaagttt tggaaaaaaa caagaaagct
                                                                      540
                                                                      553
catnnnccgg cgc
```

```
<210> 1916
<211> 1684
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (118)...(566)
<223> similar to gi3875451 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1916
                                                                       60
attogotyto tocacycaty aggagacyty taggggccyg gttcggccct gytyaactot
cacccgageg gtttetettt cegggacaac atggegeegt ceaegeeget ettgacagte
                                                                      120
cgaggatcag aaggactgta catggtgaat ggaccaccac attttacaga aagcacagtg
                                                                      180
                                                                      240
tttccaaggg aatctgggaa gaattgcaaa gtctgtatct ttagtaagga tgggaccttg
tttqcctggg gcaatggaga aaaagtaaat attatcagtg tcactaacaa gggactactg
                                                                      300
cactccttcg acctcctgaa ggcagtttgc cttgaattct cacccaaaaa tactgtcctg
                                                                      360
gcaacgtggc agcettacae tacttetaaa gatggcacag etgggatace caacetacaa
                                                                      420
ctttatgatg tgaaaactgg gacatgtttg aaatctttca tccagaaaaa aatgcaaaat
                                                                      480
tggtgtccat cctggtcaga agatgaaact ctttgtgccc gcaatgttaa caatgaagtt
                                                                      540
cacttetttg aaaacaacaa ttttagtatg gaaagattta tgacataatt ttattaetta
                                                                      600
ctgtaatcgt atacagtttc cattaacttt tatgacatca tagggttttc ctaaatactg
                                                                      660
ttaatctatt aatcaataat tactcttaca tacatttgca taattcttta taagtctgaa
                                                                      720
ttcagtgaaa atctgtaaca caaaggtttt cttttacaat aactttttat tatctgggta
                                                                      780
attgctatta agacatttga atatcttttc ctggaattta attgctattg aaattctgtg
                                                                      840
acacaaattt tttagatatt ttatcgtgta gaattttaaa cttcagacac ctagttctag
                                                                      900
taaccatcag cttgtggcca atcttatctc atccatacat ctctccagct accatctctt
                                                                      960
                                                                     1020
actaagtgaa agcaaatccc agatatggtt atacttttat atacttgtta aatatgtaat
                                                                     1080
tgtaaatatt tcagagtaga tttctgaaga ttggggcctt tcatttttta aacttagcca
caaaaccatt atcacaaatt attaaatatg tgttcaaatt tctactaatt gcaaatgtta
                                                                     1140
                                                                     1200
caattttttt taaaactcgg gatccaaata aggtactgca cattgtggtt gattgatata
                                                                     1260
tettttatgt ttettttggt cetataagtt eccaetetat etgttatttt attetteata
atttattgtt taagaaacaa ggttatttgt ctttcacgtt ttcccatagt ttgaattttg
                                                                     1320
cttttgtatc ccatggtata atttaacatg ttcatctgtc ccctataaat tgcaagttgg
                                                                     1380
ctctagagtt tcagcttcag gttctttttt aggtgagtaa gggtaagact acattataag
                                                                     1440
gtgatgttca cttcttttat caagaagcac ataatgtctg gttgtcttta attttgtagg
                                                                     1500
cttagctgac attaatgttt catgcctgga tgcattattt catcagtggt tgcaaattgt
                                                                     1560
tgatactctg gttttttctc cctcacttat ttttcagctg tactgcttct ataaagaaaa
                                                                    1620
atttcccctt ctactatttg gttacctagt gctgcattta tatagaaaag gcgggataaa
                                                                     1680
                                                                     1684
tatt
```

```
<210> 1917
<211> 546
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (484)...(547)
<223> similar to gi5354054 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1917
cttatatgat agaaaaggcc gcttctccat ttttcataaa tttgagtatt gaaaggggtt
                                                                       60
aaattcaggt tggataacat tgcacagtag aaagaaaagt acacttattc tacatataac
                                                                      120
ctgattaatt tagtatagga gagttacatt ccaccaaaag aaagtgttcc tgttcatagt
                                                                      180
cttgggcttt aattacaaat gttgacttcg tgacattttg agatttgaga agtctaagag
                                                                      240
cagaaagaat tatagtttat attgatcata cataagcatg ttcaaagact gccagatcca
                                                                      300
tcctgtggaa gaaaagaatg agtgtaagtt atagccctac cagccttatg tttggtggat
                                                                      360
                                                                      420
tcaqtctqat caqacatata tttgataaaa atgatgtagc aaaaaaacag gtttgtctta
gagaaacata ctactttcta agcttgtctt ctttcttgag attaagtttt ccctccttta
                                                                      480
acaggacacc ttacaggaaa acatgagaga catttctcca tctcaggatg cccactgtat
                                                                      540
                                                                      546
cataac
```

```
<400> 1918
tagccaagtt taaaatagga tttttgcgtt tgggtcagat tcagaaggtt catccagcta 60
tccagcaatt tacagagcaa gaaatttgca gatcaaagtc cattaaatcc ttagctcttc 120
tagaagaact ctacaatagt caagtaagca caattattgt ataataatac taacagttaa 180
tgtccacagc cagaatgagg ggagaaactg tactctggga aatttagtca cattgactgg 240
atttgcacat gattaattta tatgtactat acgaccagtt tattaactta tagtttgcta 300
tttccttctg atctgaaata aggttttgg
```

```
<210> 1919
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(326)
<223> similar to gi4731584 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1919

```
tggataataa atctgaagtt cagttgtggc tgttaaagag aattcaggta cccattgaag 60 atatacttcc ttcaaaagaa gaaaaaagca agaccccacc catgttcctg tgcatcaaag 120 tgggaaaacc aatgagaaaa tcctttgcca ctcacactgc agccatggtc cagcagtacg 180 gcaaacggag aaagcagcca gagtactggt ttgctgttcc tcgggagagg gtggatcatt tgtacacatt ctttgttcag tggtctcccg atgtctatgg aaaagatgcc aaagagcaag 300 gctttgtggt ggtggagaag gaagaactga acatgattga caacttcttc agtgagccaa 360 caaccaag
```

```
<210> 1920
<211> 383
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (263)...(385)
<223> similar to gi840693 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## 400> 1920 agcacaataa aagaaaccct atactaggca aattattatg aaatttgttt taggacacca 60 gaaataaaga taatatctaa aaacttttta gaatcgccta ggagggatta ggaatatgaa 120 tagcatctaa cttgttggca gtagaattga aggtagaagg tggtaaaaca tcaccttgaa 180 agttttgcat tcagcctaga attctgtatc cagttaaacc atcaatcaag tgtgaaagta gggggaaaaa ctcaaggact aaaaaaatgt gctcatgaag aacattttt ttggacatta 300 cccagaagta gaagaagctg atggcaacaa gcagtggtgg tttggtggtg gatgtgacct 360 cactccaaca tacttgaatc aag

```
<210> 1921
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(394)
<223> similar to gi5689407 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1921
aatgatccag tacggtcaaa gttttgtaaa atacgtgttt tgtgccacac gcttgctagg
aacatggtgt atattttaac aatcactacc cccttgaaga gctctgactc aagaaagcgg
aaggctgtga ttctgactgc aagggtccat ccaggggaaa ccaacagctc ttggatcatg
180
```

```
aaaggcttcc tagattatat tttaggaaac tcaagtgatg cacagttgct tcgggacact 240 tttgtcttca aggtggtacc catgctgaat ccagatggtg tgattgtggg aaattatcgc 300 tgttccttag ctggacggga tttaaaccgt aattatacat ctctcctgaa ggaatctttt 360 ccttctgtat ggtatacccg gaacatggtt cataggtaaa ataagcctca aattacctct 420 gtgcttattt agtaaacttg gtagtaacaa ttttgctccc acaatctcat tcattttact 480 gtaacttctc aagatagtct aactactgta taactacttt atttttccc cgttattcac 540 aactgtgatt ctataccttt ctgtcattat gccactggat tc 582
```

```
<210> 1922
<211> 916
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(918)
<223> similar to gi485858 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1922
ttttgataag aggcaacatg aagcaagaat ccagcaaatg gagaatgaaa ttcactattt
                                                                       60
gcaagaaaat ctaaaaagta tggaggaaat ccaaggcctt acagatctcc aacttcagga
                                                                      120
agetgatgaa gagaaggaga gaattetgge ecaacteega gagttagaga aaaagaagaa
                                                                      180
                                                                      240
acttgaagat gccaaatctc aggagcaagt ttttggttta gataaagaac tgaagaaact
                                                                      300
aaagaaagcc gtggccacct ctgataagct agccacagct gagctcacca ttgccaaaga
                                                                      360
ccagctgaag tcccttcatg gaactgttat gaaaattaac caggagcgag cagaggagtt
gcaggaagca gagaggttca gcagaaaggc agcacaagca gccagagatc tcacccgagc
                                                                      420
                                                                      480
agaagctgag atcgaactcc tgcagaatct cctcaggcag aagggggagc agtttcgact
tgagatggag aaaacaggtg taggtactgg agcaaactca caggtcctag aaattgagaa
                                                                      540
                                                                      600
actgaatgag acaatggaac gacaaaggac agagattgca aggctgcaga atgtactata
cctcactgga agtgacaaca aaggaggctt tgaaaatgtt ttagaagaaa ttgctgaact
                                                                      660
togacgtgaa ggttottato agaatgatta cataagcago atggcagato otttcaaaag
                                                                      720
acgaggetat tggtaettta tgccaccacc accatcatca aaagttteca gccatagtte
                                                                      780
                                                                      840
ccaggccacc aaggactctg gtgttggcct taagtactca gcctcaactc ctgttagaaa
                                                                      900
accacgeett gggcagcagg atgggaagga aggcagteaa eeteeceetg eeteaggata
                                                                      916
ctgggtttat tctccc
```

```
<210> 1923
<211> 359
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (281)...(361)
<223> similar to gi1763238 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

```
<400> 1923
tgtccatggg atgtgttaaa tctctatcat atgtctgtaa aaattcttat ttgtaaaatt
                                                                       60
                                                                      120
tqtaqttcta ttgaagatga aaattgcttt taagggaact cattaatctt caaaatttcc
atatcattgt caaaagttgt gttataggaa aagattggaa aaggttttgt aagcatcctc
                                                                      180
                                                                      240
tgaattacta tttttgccac tagatcttct aaatgattaa tgaagtttga aatatttagt
                                                                      300
qtttagggaa tacaagtaat ctttcgcttt tctcttttca ggggtagact taaagtctga
aacagaaggt ttcagtgcat caagcagtcc aaatgactta ctcgaaaacc tcactcaag
                                                                      359
     <210> 1924
     <211> 561
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(562)
     <223> n = a,t,c or g
     <220>
     <221> misc_feature
     <222> (2)...(545)
     <223> similar to gi2739105 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1924
cttagctatc gcccatcacc gcttctatac aaagaggctg accttttgga cgtgtctggc
                                                                       60
                                                                      120
tgtgatctgt atggtgtgga ctctgtctgt ggccatggca tttcccccgg gtttagacgt
gggcacttac tcattcatta gggaggaaga tcaatgcacc ttccaacacc gctccttcag
                                                                      180
                                                                      240
ggctaatgat teettaggat ttatgetget tettgetete atecteetag ceacacaget
tgtctacctc aagctgatat ttttcgtcca cgatcgaaga aaaatgaagc cagtccagtt
                                                                      300
                                                                      360
tgtagcagca gtcagccaga actggacttt tcatggtcct ggagccagtg gccaggcagc
                                                                      420
tgccaattgg ctagcaggat ttggaagggg tcccacacca cccaccttgc tgggcatcag
gcaaaatgca aacaccacag gcagaagaag gctattggtc ttagacgagt tcaaaatgga
                                                                      480
gaaaagaatc agcagaatgt tctatataat gacttttctg tttctaacct tgtgggggcc
                                                                      540
```

```
<210> 1925
<211> 484
<212> DNA
<213> Homo sapiens
```

cctacctggt nggcctgtta t

561

```
<220>
<221> misc_feature
<222> (74)...(486)
<223> similar to gi337485 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 1925 ggggtgtggc caagggcacc accccttga aaaccgtagt agcatgacta tcgccaagct 60 120 tgqcacgagg ccagagcatg aggcccacag tgttgtgcca atggaggatg ttgcctggga 180 qtacaaqtqq qaacttcatg aggccctcga acatctgaag aaagagcaag aagaggcctg gaagettgaa gttggtgaaa ggaaacgaac tgccacctgg aagatacagg tggaaacccg 240 aaaacagagt gttgtatggg agtttgaaaa ataccagcga ttactagaga aaaagcagcc 300 accacategg cagetggggg cagaggtage ageagetetg gecageetac agegggagge 360 420 ageggagace atgeagaaac tggagttgaa ecatagegag etcateeage agageeaggt 480 cctgtggagg atgattgcag agttgaaaga gaggtcgcag aggcctgtcc gctggatgtt 484 gcag

```
<210> 1926
<211> 866
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (85)...(867)
<223> similar to gi500714 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1926
gggggacttt gagatgtgtg aatattcatc agcatttgct tgtggaacgc tcacctctgc
                                                                       60
                                                                      120
tttttactct tgccgaaaga ctgtattgat caagtgatga aactacagaa tctgtttgta
                                                                      180
gatgattcag gtcgatattt ggctattcaa ttccatctgg aatgggcata tgtgttttta
tattattatg agtacagaaa agcaaaagat cagttggata ttgctaagga catcagccaa
                                                                      240
ttacaaattg atttgacagg tgctttggga aaaagaacac ggttccagga aaattatgtg
                                                                      300
                                                                      360
qcacaactga ttctagatgt aagaagggaa ggggatgtcc tttcaaattg tgaattcact
                                                                      420
ccagcaccca ctcctcagga acatttaacc aagaatcttg agctcaatga tgacaccatt
                                                                      480
ctgaatgaca taaagttagc agattgtgaa cagttccaga tgccggatct gtgtgctgaa
                                                                      540
gagategeta ttattettgg aatetgeact aatttteaaa agaataacce agtgeacaca
                                                                      600
ttaactgaag tggagcttct ggcatttaca tcatgtttgc tttcacaacc aaagttctgg
                                                                      660
gccattcaga catcagcctt gatcctccgg acaaaacttg agaaaggaag tactcgccga
gtggaacggg caatgaggca gacacaggct cttgcagacc aatttgaaga taaaactaca
                                                                      720
                                                                      780
tctgtattgg aacgcctgaa gattttctat tgctgtcaag taccacctca ctgggccatt
                                                                      840
cagogocaac ttgcaagttt gctctttgag ttgggatgta ccagttcagc ccttcagata
                                                                      866
tttgaaaagc tagaaatgtg ggaaga
```

```
<211> 452
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (24)...(350)
    <223> similar to gi1916927 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
    <400> 1927
agetgeeett cetgggeetg gggtetgtte tteeceaggg catggtgatg gtgageeegg
                                                                       60
agatgaatcc taccatctgc tcggtgtttg aggcagagat agtcttactg ttccatgcca
                                                                      120
ccaccttccg acgaggattc caggtgacag tacacgtggg caacgtacgt cagacggcag
                                                                      180
                                                                      240
tggtggaaaa gatccatgcc aaggacaaac tgcggacagg cgagaaggca gtggtacgtt
                                                                      300
teegetteet gaaacaccca gagtacetga aggtgggege caaactgetg tteegggagg
                                                                      360
gtgtcaccaa gggcatcggc catgtcactg atgtacaagc cattacagca ggagaagccc
aggecaacat gggettetga accetteagg eagggacagt tetattgetg tecetacaat
                                                                      420
                                                                      452
atataaggtg acttctggcc atgctgccct gc
     <210> 1928
     <211> 814
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (33)...(817)
     <223> similar to gi4589524 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1928
                                                                       60
ggcaagaagc cactgggcta ggtacttcaa cccaaccctt gacatctagc gcatcgtctc
ttactggttt cagtaactgg tcagcagcga tagcgccttc ctcctctaca ataatcaatg
                                                                      120
aagatgcaag tttctttcac cagggagggg tccctgctgc ttcggctaat aacggtgctc
                                                                      180
                                                                      240
tgttgtttda aaatttcccc catcatgtca gccctggctt tggaggcagc ttctccccc
agategggee teteteacag caccacceae ateaccetea tttecageat cateacagee
                                                                      300
agcatcagca gcaaaggagg tetectgeca gtececatee eccaecette acacatagaa
                                                                      360
                                                                      420
atgotgottt taaccagotg cotcatttgg cgaataatot taacaaacco coctotoogt
                                                                      480
ggagcagcta ccagagtccg tcaccaacac cctcctcttc ctggagcccg ggcggtggtg
                                                                      540
gatatggtgg ctggggaggt tcccaaggcc gagatcaccg cagagggctg aatggtggaa
                                                                      600
taacgcccct gaactccatc tcgcctttga agaaaaattt tgcaagcaat catattcagc
                                                                      660
tecagaagta tgetegeece agetetgeet ttgeacetaa ateetggatg gaagataget
                                                                      720
```

<210> 1927

tgaacagggc tgacaacatt tttccttttc cggatcgccc caggacattc gacatgcact

780

814

<210> 1929
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (12)...(303)
<223> similar to gi2745727 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 1929
ggcctcgtgc cacttacacc aatggcattg acatgaacat ggtcctaaag ggtttcccag 60
aatgcttaca agcagacatt tgtctacatc tcaaccagac attgctgcaa aactgcaaag 120
cctttcgggg ggcaagtaaa ggttgcctta tagctttggc aatgaagttc aaaaccaccc 180
atgcacctcc aggagacacc ctcgttcact gtggggatgt cctcactgca ctttatttct 240
tatccagagg ctccattgaa attctcaaag atgacattgt ggtggctatt ctgggtgagt 300
gttttataag tgcatggtga cagattcagt tattagcttg taatgcatag attaaaatga 360
ttaggaaaaa aagactgatg tatgtattca taagaacagc ttaagatggt g 411

<210> 1930
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (65)...(585)
<223> similar to gi3878400 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 1930 60 aggggacctg cagtcggagg aggctgtggg gactgggtcc aaccgcccct tgcccacaca gtccctgcag tcactgtcgg tggcagactc ccggctgaag cttcgcacca gcatcctcat 120 180 caatgccctg ggcagcaaca cctgcctggc caaggtggat ctgagcggca atggcatgga 240 ggacateggg gecaagatge tgtetaagge cetgeagata aacteeteee teagaactat 300 cctatgggat cggaacaata catctgccct gggcttcctg gacatcgcaa gggccctgga 360 gagcaaccac acgctgcgct tcatgtcctt ccccgtgagc gacatctccc aagcctatcg 420 cagegegeet gagegeaceg aggaegtetg geagaagate caatggtget tagtgaggaa 480 caaccactcc cagacgtgcc cccaggagca ggccttcagg ttgcagcagg gcctggtgac

```
cagcagegcegagcaaatgecgcageggetgtgtggaegagtgcaggaggaggtgeggecetgagaetgtgceceetggagectgtgeaggatgagetaetctaegetegggaeettaataaagatgeeaagaacteeegggeggggageceteeacaggetaeeetteeeetgaagtetggagaaceeaagaaggeegaecatgetaagecatgaeageeetgeeet709
```

```
<210> 1931
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (21)...(522)
<223> similar to gi165506 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

## <400> 1931 60 tacgcgcage ttggcacgag ggcaagtttg gggcagtctg tacctgcatg gagaaagcca caggeettaa getgteagee aaggteatea agaaacagae teecaaagae aaggaaatgg 120 180 tgttgctgga gattgaggtc atgaaccagc tgaaccaccg caatctgatc cagctgtatg cagccatcga gactccgcat gagatcgtcc tgttcatgga gtacatcgag ggcggagagc 240 300 tettegagag gattgtggat gaggaetace atetgaeega ggtggaeace atggtgtttg 360 tcaggcagat ctgtgacggg atcetettea tgcacaagat gagggttttg cacetggace 420 tcaagccaga gaacatcctg tgtgtcaaca ccaccgggca tttggtgaag atcattgact ttggcctggc acggaggtat aaccccaacg agaagctgaa ggtgaacttt gggaccccag 480 522 agttcctgtc acctgaggtg gtgaattatg accaaatctt cg

```
<210> 1932
<211> 696
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(455)
<223> similar to gi4583423 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1932
ggccaggct gggaccctgt tgggaacttt taatgccatg gatccagaca gccagataag 60
atatgaactg gttcatgacc cagcaaattg ggtcagcgtc gacaaaaact ccggagtggt catcaccgtg gagccaattg accgagaatc ccctcatgta aataacagtt tttatgtaat 180
catcattcac gctgttgatg atggcttccc accgcagact gctacaggga ccctaatgct 240
```

```
cttcctgtct gacatcaatg acaacgtccc gactctccgg ccacgttccc gctacatgga
                                                                      300
ggtctgtgag tctgctgtgc atgagcccct ccacatcgag gcagaggatc cggacctgga
                                                                      360
geegttetet gacceattta catttgaatt ggacaatace tggggaaatg eggaggacae
                                                                      420
atggaagttg gggagaaatt ggggtgagtt tttgtattgg ttacgggcaa agagtggaaa
                                                                      480
atgccaqata tccaattcaa acagatttag gcaaaaaagg actttattag cttaaaaaaac
                                                                      540
cggagaggtc tgcgttctgg cagagctggc tctaggtgct caaaggatat ccctggatat
                                                                      600
cetteccaea catggtetge etttetetag gtteettett tittaggaaa eteteeteet
                                                                      660
cacggggtag gaggctgctg ggagtccctg agacat
                                                                      696
```

```
<210> 1933
<211> 205
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(193)
<223> similar to gi2058536 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1933
cgcaccttct cttcctcctg ctactctggc tcccagacac caccggagac actgtgttga 60
cgcagtctcc agccaccctg tctttgtctc caggggagag agccaccctc tcctgccggg 120
ccagtgagag tgtgggcgac aactgcttag cctggtctca ccagacacct ggccaggcta 180
agcagttgtc gcgtcgacgc ggccg 205
```

```
<210> 1934
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(727)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (400)...(544)
<223> similar to gi2665742 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1934

```
ctttctacag aaccaaaaac acagaagttg agtaataaga aaggaagtaa tactgacact
                                                                       60
                                                                     120
cttagaagag tactgttaac acaagcaaag gtaactatac taaacatttt taaagatcag
tggaagagcc agtcttttc ctagatttca gttagataat tgttaacttt gtctcaatta
                                                                      180
aaaaattttg gttacttaaa tttttgcatc attatttgca tatctttgag acaacaaaaa
                                                                      240
                                                                      300
tttgcctttt tttagnnnnn nnnnngtggt ggggatctaa aagattctta tatgtaaata
                                                                      360
caaatattac agagaaagtg aatatgatag ccaaaatgtg gattatgagg atacaaatcc
                                                                      420
attaactgat tactggcaaa atcagaacaa tccaatgaca gcagagctca aaatcaattt
                                                                      480
qcaqcaqtaa ataccccaca gaaagaaact tctcagattg atggaccatc tttaaacaat
acttacggtt tcaaagtcag catacaaaac ttacaggagg caaaagcttt acatgaggta
                                                                      540
                                                                      600
aaactqcaac aqtaaggaca catacattgg gttcagttta actcctgttt tattctataa
aacaagtatg gaatttttt aacaagggag gagtatattg aattctatcc tattaatctt
                                                                      660
catcttggtc tcattttact attttggata tttacatggt tatgtacaat acataaactt
                                                                      720
                                                                      726
aaaqct
```

```
<210> 1935
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (242)...(393)
<223> similar to gi3015538 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1935
cocattotgg gcaagccact agottgtact gaatggctot toccaccaac actgacacat
                                                                       60
tgccgtacaa gattgacttt cttgacccat tggcagcctc tgcagctatt tggccccaaa
                                                                      120
taactttgtc attatgcact gccccattgg aagcatcact cttttaccta tagcacttca
                                                                      180
totgoctaat tototgaato ttoatoogoa gaacttoaag gtagaatttg otttaaattg
                                                                      240
tgagtttgtt cctgttgaat ttcatgaaat ccggcaagtg aaagccagtt ttaagaagct
                                                                      300
gatgagget tgtateceaa geaceatece tactgaetea gaagtgaeet teetgaaage
                                                                      360
                                                                      420
gctgggagat tctgagtggt tcccacaggt aatgtctgaa gcagcttctt tctttataac
                                                                      480
tcaaagaaac ggacgcgtgg gtcggccggt cgacgtgctc atcgaggcgc tcgaaaaacc
                                                                      484
cgcc
```

```
<210> 1936
<211> 1203
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1150)
<223> similar to gi4337110 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1936
                                                                       60
cccaacatcg cgatagtacc caaggacggg acgggatggg caaacaagca ggatcagcaa
                                                                      120
gacccaaaga gttccagtgc gacggcctct cagccgccgg agtcgctgcc gcagccgggt
ttgcagaaat ctgtctccaa tttgcagaaa ccgacacagt caatcagtca ggagaataca
                                                                      180
                                                                      240
aattcagtgc caggtggacc aaagtcatgg gcacagctga atggaaagcc agtaggacac
gaaggtggtt taaggggctc aagccgactg ttatccttct ctcccgagga atttccgacg
                                                                      300
                                                                      360
ctgaaagcag ctggagggca ggacaaggct ggcaaagaaa agggcgtctt agatctgtcg
                                                                      420
tatgggccag gaccaagcct ccgccctcag aatgtgacaa gctggaggga gggcggtggg
cgacacataa tttctgccac gtctctgagc acctccccaa ctgagctggg cagcaggaac
                                                                      480
tcgagtacgg gagatggagc cccctcctcg gcatgtacca gcgattctaa ggacccctct
                                                                      540
                                                                      600
ctccqcccqq ctcaqcctgt ccgaaaaggg gcttcacagt tcatgggaaa tgtataccac
ccacctacat accatgacat getteetget tttatgtgtt egeegaagte atcagaaaac
                                                                      660
cagggtacag tggaacgagg ctcttttccc cttcctcagc tccgccttga acctcgagtt
                                                                      720
ccttttagac agttccagat gaatgaccaa gacggaaaag aaaacaggct gggattgtct
                                                                      780
cgcccactcc gcccactaag gcagctggtg gagcgggcac cacggcccac cattatcaat
                                                                      840
gcggaaaacc tgaagggcct tgacgatctg gacgccgatg ccgatgatgg ctgggcaggc
                                                                      900
ctccatgaag aagtggacta ttctgagaaa ctgaagttca gtgatgatga agaggaggaa
                                                                      960
gaagttgtga aggacggcag gccaaagtgg aacagttggg accctaggag gcagcggcag
                                                                     1020
ttgtcaatga getetgeaga eagtgeggae getaagegga etegagagga agggaaggae
                                                                     1080
tgggctgaag cagtgggtgc gtcccgtgtg gtccgaaagg cgcccacctc cccacgccct
                                                                     1140
cccctccct gctgcagggg ctctggagag aaacaataaa gagattcaca cacaaaaaaa
                                                                     1200
                                                                     1203
```

```
<210> 1937
<211> 1325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1326)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3) ... (1328)
<223> similar to gi1944455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 1937
    ccaggaagcc cactgtaatt cgaattccag ccaaaccagg aaaatgttta catgaggatc 60
    cacaaagtcc acctctctc cctgctgaaa aacctattgg aaacactttc agtacagtat 120
    ctggaaagct cagtaatgtt gagagaacta gaaacttgga atccaaccac ccaggtcaaa 180
    caggaggttt tgtgcgagta ccccaaaggt tgccaccgag acctgtgaat ggaaaaacca 240
    ttccaactca acagctcca accaaggtgc cccctgagag accacctccc ccaaagcttt 300
    ctgcaaccag aagatctaat aagaaactgc cttttaatcg atcctcttct gacatggatc 360
```

```
ttcagaaaaa acaaagtaac ttggcaactg gactctcaaa agccaagagt caagttttta
                                                                      420
aaaatcaaga tooggtgota coccotogto coaaaccagg acaccototo tacagtaaat
                                                                      480
acatgctgtc tgtgcctcat ggaattgcca atgaagatat tgtctctcaa aaccccggag
                                                                      540
                                                                      600
aactetettg taagegtggg gatgtaettg tgatgetgaa geagaeggaa aataattaet
tggagtgcca aaagggagaa gacactggca gagttcacct gtctcaaatg aagnttatca
                                                                      660
ctccacttga tgaacatctt agaagcagac caaacccctt ttctccccct aaggntccaa
                                                                      720
gccacgctca gaagcctgtt gacagtggtg ctcctcatgc tgtcgttctt catgatttcc
                                                                      780
cagcagagca agttgatgat ttgaacctca cttctggaga aattgtttat cttctggaga
                                                                      840
                                                                      900
agatagatac agattggtac agagggaact gtagaaacca gattggcata tttcctgcca
actatgtcaa agtgattatt gatatcccag aaggaggaaa tgggaaaaga gaatgtgttt
                                                                      960
                                                                     1020
catctcattg tgttaaaggc tcaagatgtg ttgctcggtt tgaatatatt ggagagcaga
aggatgagtt gagtttctca gagggagaaa ttattattct taaagagtat gtgaatgagg
                                                                     1080
aatgggccag aggagaagtt cgaggcagaa ctgggatttt ccccctgaac tttgtggagc
                                                                     1140
                                                                     1200
ctgttgagga ttatcccacc tctggtgcaa atgttttaag cacaaaggta ccactgaaaa
ccaaaaaaga agattctggc tcaaactctc aggttaacag tcttccggca gaatggtgtg
                                                                     1260
aagctcttca cagttttaca gcagagacca gtgatgactt atcattcaag aggggagacc
                                                                     1320
                                                                     1325
```

```
<210> 1938
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (62)...(724)
<223> similar to gi3873789 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1938
                                                                       60
cqacccacqc qtccqaqcqa gactccgtgg gcgtatgacc ctccgagcca gtctattttt
                                                                      120
caggagcatt gaactgacca gttatgttta tatctgggag aactacaggc tgttcaattt
                                                                      180
gccttgggat tctccatgga cttggtattc agccttctta ggagttgact ttggctacta
                                                                      240
ctggttccat cgtatggctc atgaagttaa tattatgtgg gccggacacc aaacacatca
                                                                      300
tagtictgaa gactataact tatccacagc actgagacag totgtoctoc agatatatac
                                                                      360
ttcctggatt ttctactctc ccctggccct cttcataccc ccttcagtat atgctgttca
tetteaatte aatettettt accaattttg gateeataca gaggteatea ataacettgg
                                                                      420
teetttggaa etgattetta atactegtag ecateatagg gtteatgatg geagaaateg
                                                                      480
                                                                      540
ttattgcata gacaaaaatt atgctggtgt tcttattatt tgggataaaa tttttgggac
                                                                      600
atttgaagca gaaaatgaaa aagttgtata tggcttaaca catcccatta atacatttga
                                                                      660
accaatcaaa gtgcagttcc atcacttatt ttccatatgg actacattct gggccacacc
                                                                      720
tggattcttc aataagtttt ctgtcatatt taagggaccg ggatggggtc caggtaaacc
                                                                      749
aagacttggt ctcagtgaag aaattcccg
```

```
<210> 1939
<211> 563
```

```
<212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (10)...(564)
     <223> similar to gi4324436 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1939
                                                                       60
agegecaagg gggacaaagg cggaaaggat aaaaagcaga ttcagacete teeegtteee
gtccgcaaaa acagcagaga cgaagagaag agagagtcac gcatcaagag ctactcgcca
                                                                      120
                                                                      180
tacgccttta agttcttcat ggagcagcac gtggagaatg tcatcaaaac ctaccagcag
                                                                      240
aaggttaacc ggaggctgca gctggagcaa gaaatggcca aagctggact ctgtgaagct
                                                                      300
gagcaggagc agatgcggaa gatcctctac cagaaagagt ctaattacaa caggttaaag
                                                                      360
agggccaaga tggacaagtc tatgtttgtc aagatcaaaa ccctggggat cggtgccttt
ggagaagagt gccttgcttg taaggtggac actcacgccc tgtacgccat gaagacccta
                                                                      420
aggaaaaagg atgtcctgaa ccggaatcag gtggcccacg tcaaggccga gagggacatc
                                                                      480
                                                                      540
ctggccgagg cagacaatga gtgggtgggc aaactctact actccttcca agacaaaaac
                                                                      563
agcctgtact ttgtgatgga cta
     <210> 1940
     <211> 507
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
   <222> (9)...(504)
     <223> similar to gi2224697 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1940
ggactggcga accttgtgta gcagagctga cagaggagaa ctttcagagg cttcatgctg
                                                                       60
agcatgagcg gcaggccaaa gagctgtttc ttcttcgaaa gacattggag gaaatggagc
                                                                      120
tgcgtattga gactcaaaag cagaccctaa atgctcggga tgaatccatt aagaagcttc
                                                                      180
tggaaatgtt gcagagcaaa ggactttctg ccaaggctac cgaggaagac catgagagaa
                                                                      240
caagacgact ggcagaggca gagatgcacg ttcatcacct agaaagcctt ttggagcaga
                                                                      300
aggaaaaaga gaacagtatg ttgagagagg agatgcatcg aaggtttgag aatgctcctg
                                                                      360
attctgccaa aacaaaagct ctgcaaactg ttattgagat gaaggattca aaaatttcct
                                                                      420
ctatggagcg tgggcttcga gacctggaag aggaaattca gatgctgaaa tcgaatggtg
                                                                      480
                                                                      507
ctttgagtac tgaggaaagg gtgtatt
```

```
<210> 1941
<211> 1007
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(807)
<223> similar to gi487418 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1941 ctgaagatca caccgatgaa tgccgatgtg attgtgctgg gcctgcagag caaggaccag 60 gctgagcagt ggctcagggt catccaggaa gtgagcggcc tgccttccga aggagcatct 120 gaaggaaacc agtacaccc ggatgcccag cgctttaact gccagaaacc agatatagct 180 240 gagaagtacc tgtcggcttc agagtatggg agctccgtgg atggccaccc tgaggtccca 300 qaaaccaaag acgtcaagaa gaaatgttct gctggcctca aactgagcaa cctaatgaat 360 ctgggcagga agaaatccac ctcactggag cctgtggaga ggtccctcga gacatccagt tacctgaacg tgctggtgaa cagccagtgg aagtctcgct ggtgctctgt cagggacaat 420 480 cacctgcact totaccagga coggaaccgg agcaaggtgg cocagcaacc cotcagcotg gtgggctgcg aggtggtccc agaccccagc cccgaccacc tctactcctt ccgcatcctc 540 600 cacaagggcg aggagctggc caagcttgag gccaagtctt ccgaggaaat gggccactgg ctgggtctcc tgctctctga gtcaggctcc aagacagacc cagaagagtt cacctacgac 660 tatgtggatg ccgatagggt ctcctgtatt gtgagtgcgg ccaaaaactc tctcttactg 720 atgcagagaa agttctcaga gcccaacact tacatcgatg gcctgcctag ccaggaccgc 780 840 caggaggagc tgtatgacga cgtggacctg tcagagctca cagctgcgct ggagagtttg 900 gagccagagg atcettecet gagaatcace accgtcaaaa tecagacgga acagcagaga 960 atctccttcc caccgagctg cccggatgcc gtggtggcca ccccacctgg tgccagccca 1007 cctgtgaagg acaggttgcg cgtgaccagt gcagagatca agcttgg

```
<210> 1942
<211> 555
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (77)...(503)
<223> similar to gi4539021 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1942
gagcctttcc atcccagggg atgcccaggc atggagaagc tgcccctggg atggaaaggc 60
tccctgccag caggttcttg cccacctggc ccagctcacc atcctcagca acttcaccgc actctccttc ttcatgggct tcatggactc ccacagggat gccatccctg actatgaagc 180
cctagtgggc cccctgcaca gcctcctcaa gcagaagcct gactggcagt gggaccagga 240
gcatgaggag gccttcctgg ccctgaagcg agccctggtg tctgccctct gcctgatggc 300
```

```
ceccaactee cagetgeest teegeetgga ggtgacegtg agecaegtgg ceetgaegge 360
catectecat caggageact cagggaggaa geaceceata geetatacet caaaacecet 420
cetecetgat gaggagagee agggeeecea gteagggggt gacageeect atgetgtgge 480
ctgggeeete aageatttt ceegetgeat tggagaeace eeggtggtee tggaeettte 540
ctatgeetee eggae 555
```

```
<210> 1943
<211> 402
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(403)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(377)
<223> similar to gi642619 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 1944
<211> 876
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(877)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(867)
<221> misc_feature
<220>
<210>
<221> misc_feature
<221> misc_feature
<222> (3)...(867)
<223> similar to gi3878400 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1944
gggaattgaa tttacaagat tttagtcatc ttgaccacag ggacctaata cctatcattg
                                                                       60
ctgctctgga atataatcag tggttcacaa aactgtcctc taaggatcta aaactgtcca
                                                                      120
ctgatgtctg tgaacagatc ttgagggtgg tgagtaggtc caatcgactg gaagaattgg
                                                                      180
                                                                      240
tgttggaaaa tgctggactt agaacagatt ttgcacaaaa actggccagt gctctagcac
ataatcccaa ctcaggactc cacacaatta accttgctgg caacccactg gaggatagag
                                                                      300
                                                                      360
gtgtgtcctc tttaagtatt caatttgcca aactcccaaa gggattaaag cacttaattt
tatctaaaac ccattatcan cctaaggngg tgaacagcct ttctcagtca ctcagtgcca
                                                                      420
atccattgac cgcctctacc cttgtccacc tcgacctctc agggaacgtc cttcgtggag
                                                                      480
atgacctctc acacatgtat aattttttgg cccagccaaa tgccattgtt catctggatt
                                                                      540
                                                                      600
tatccaatac agaatgttcc ctggacatgg tctgtggagc tcttctccgt ggatgccttc
aatatttago tgtgotcaac ototocagaa otgtottoto toacoggaaa ggaaaagaag
                                                                      660
                                                                      720
tacctccatc tttcaagcaa ttttttagta gttctctggc tttgatgcac atcaaccttt
caggcacaaa actgtctcct gagcccttaa aagcactgtt attgggcctg gcttgtaatc
                                                                      780
ataacttgaa aggggtttct ctggatctca gcaactgtga gctgagatca ggaggtgctc
                                                                      840
                                                                      876
aagtattaga aggttgcatt ggctgaaata cacaac
```

```
<210> 1945
<211> 1080
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (249)...(1083)
<223> similar to gi37261 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1945
                                                                       60
cctctactqc aqcttcatca tcagattctt ctttctgttc ttggggtgct tcttcttcct
                                                                      120
ccatgggctc ctcaacagtt tcagtcttgc tgctccatac ataaatagga aagtttatga
                                                                      180
actgtgaata ttttttgacg agatttttaa ttgtatccaa ttcaaggtaa tcagatgctt
                                                                      240
cttcttttaa gacaagggta attgtcgttc cccgtcctag agtgtttcct cttgggtcag
caattacaga aaattcattg gagtcagact cccagattgg ccagtttggt gtcggtttct
                                                                      300
                                                                      360
attccgcctt ccttgtagca gataaggtta ttgtcacttc aaaacacaac aacgataccc
                                                                      420
agcacatctg ggagtctgac tccaatgaat tttctgtaat tgctgaccca agaggaaaca
                                                                      480
ctctaggacg gggaacgaca attacccttg tcttaaaaga agaagcatct gattaccttg
                                                                      540
aattggatac aattaaaaat ctcgtcaaaa aatattcaca gttcataaac tttcctattt
                                                                      600
atgtatggag cagcaagact gaaactgttg aggagcccat ggaggaagaa gaagcagcca
                                                                      660
aagaagagaa agaagaatct gatgatgaag ctgcagtaga ggaagaagaa gaagaaaaga
                                                                      720
aaccaaagac taaaaaagtt gaaaaaactg tetgggactg ggaacttatg aatgatatea
                                                                      780
aaccaatatg gcagagacca tcaaaagaag tagaagaaga tgaatacaaa gctttctaca
aatcattttc aaaggaaagt gatgacccca tggcttatat tcactttact gctgaagggg
                                                                     840
aagttacctt caaatcaatt ttatttgtac ccacatctgc tccacgtggt ctgtttgacg
                                                                      900
                                                                      960
aatatggatc taaaaagagc gattacatta agctctatgt gcgccgtgta ttcatcacag
                                                                     1020
acgacttcca tgatatgatg cctaaatacc tcaattttgt caagggtgtg gtggactcag
```

```
<210> 1946
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3) ... (199)
<223> similar to gi1545807 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

## 

```
<210> 1947
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (345)...(589)
<223> similar to gi1510155 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1947
agaatctctg aggaaaagcg tggtttggta aactcccatg tttagaacag aaatgttagc
                                                                       60
                                                                      120
atgaacttag ttggccaatg gtcaggcact gccaaggttt ataggggtgc caacacataa
atgattggtg ggaacctgtg cttttgaggt cagggtcata gtttgagtcc tctgtggggc
                                                                      180
                                                                      240
tagttaaact aagttataaa cccactatgg tataaaaaat ataaaactaa aaaactgccg
                                                                      300
tattattcct atatatctta ttttatttgc gtgcaaataa atatgactag atttaatttc
ctaacatgac tttacattga cattgaccat ttcccttgta aagcattctc cagcagttgc
                                                                      360
                                                                      420
agagggacca agcccacact gigacaccag acadaagtca citccgatca ciaaaagatg
                                                                      480
cggtacagag actgctctcc taccacgtgt gccagggctc catgcccact gaagaagact
                                                                      540
tgagaaaagt ggacaatgaa tttgagacag ctgtcactca gctcctaaaa aggacccatg
```

```
<210> 1948
<211> 724
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (217)...(710)
<223> similar to gi2983243 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1948
atgacacatt tgaagcctcg aaccgcggcg gaccccgcgt gcgctcgaag ataaccaagc
agtettttaa agaaaagatt tgttgeettg ecaactaata egaceteate gagacetetg
                                                                120
actgagtgtt gtagtgatgc aggtgactct cctttgaaac ctgtcagctg tccaaaatct
                                                                180
240
tttcagatac atgtgaaatt gcagtgtgaa actgcagcac aacagaaatt tgctgaagaa
                                                                 300
cttcaaaagc gagaacgttt tttacttgaa agagaacaac tgcttttcag acatgaaaat
                                                                360
gccttgagta aaattaaagg tgttgaagaa gaggttctta caagatttca aattataaaa
                                                                 420
gagcagcatg atgcagaagt tgaacactta accgaagttc ttaaggaaaa gaataaagaa
                                                                 480
                                                                 540
accaagagac tgaggtcctc ttttgatgca ttgaaagaat tgaatgatac cttaaaaaaa
                                                                 600
cagttaaatg aagcaagtga agaaaacagg aagatagaca ttcaggctaa aagagttcaa
                                                                 660
gctcgtttag ataatttaca gaggaagtac gagtttatga caatacagag attgaaagga
                                                                 720
agttcccatg ctgttcatga aatgaaaagt ttaaaacaag aaaaagcacc agtttcaaaa
                                                                 724
actt
```

```
<210> 1949
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (523)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (63) ... (252)
<223> similar to gi3947688 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1949
                                                                       60
tttqqtaaaa ggctgatttt ggccatagtc ttgagttctc aagtgacgtg tgaaaaacca
                                                                      120
atgtttccat aggtccttct gtacctccct tagtgaatcc acctctgcct acaacttttc
                                                                      180
aaccaqqagc teeteatggg ceceeteeag, etggaggeec acceeeagtg agggeeetea
                                                                      240
cgccctgac atcatcatat agagatgtac cccagccctt atttaattca gctgtcaacc
aagaaggtaa gtgaaccaag aaacaaagtc aaatcctcaa gttttgactt agggtagaaa
                                                                      300
qatgaatatt agctgaattc tgtgcattaa aatcacattt tttccagaaa atctagtttt
                                                                      360
ggttagggat gggctacagg aatttacaat ttaaagttcc tcagggattt ccctttggcc
                                                                      420
atccgctggg gctgtgacta cccttgggga aaaagctctt agtgtttttg ttaanttttt
                                                                      480
                                                                      522
tgttgctatg cgggtttttt taaaaatcat gggtattaag gc
     <210> 1950
     <211> 466
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (63)...(184)
     <223> similar to gi606833 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1950
                                                                       60
ctccccatag ataccgtcgc cgcacgatcg gaatgaattc cctgggagac ccacgcgtcc
                                                                      120
gaagatacag acataggett ttgeggeaca aattgactgt gagtgaegga gaatetggag
                                                                      180
aagaaaaaaa gacaaagcct aaagagcata aagaagtcaa aggcagaaac agaagaaagg
gtaagatgtt ttaattctga atgtaaagaa catattggac cagacagtgg cttatgcctg
                                                                      240
                                                                      300
taatcctagc actttgggag gctgaggtgg gcagattgct tgagcccggg agtttaggac
                                                                      360
caqcctqqqc aqcatqqqqa aqcctcatct ttatggaaaa tggaagaaat agctgggtgt
                                                                      420
ggtggtgtgc acctgtagtc ccagctactt gggaggctga ggtgggagga tcacctgagc
                                                                      466
cccggaggtc aaggetgtag tgagcagcga ttgcaccact gcattg
     <210> 1951
     <211> 601
```

<223> similar to gi5668703 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<212> DNA

<220>

<213> Homo sapiens

<221> misc\_feature <222> (3)...(403)

```
<400> 1951
                                                                       60
gcatgageca gacaatggag ettgetegga atceacecat gatgeaagag atgatgegga
                                                                      120
accaggaccg ggccctgagc aaccttgaga gcatccctgg agggtataat gccctccgcc
                                                                      180
gcatgtacac ggacatccag gagcccatgt tcagtgctgc ccgggaacag tttggcaaca
                                                                      240
atccettete tteeetggee gggaacteeg acageteate etceeageet etgeggaetg
                                                                      300
agaategaga geceeteeet aacceetgga geceetegee eeccacetee caggeeeeeg
                                                                      360
ggtccggtgg ggagggcacc ggaggatcgg ggaccagcca ggtgcacccg acagtctcga
accepttigg gateaatgeg getageetgg ggteaggtat gteetgggat ggaaggaget
                                                                      420
                                                                      480
tagtggggtc accagggcag cccctctgtc ccaggactga atggggttca tactgctcca
ggattttgaa ggcagaggtg agactgtcga ggccacagag ggggctctgc cgtctgggat
                                                                      540
                                                                      600
agtggccggg tgagggctgg ttctggccat gtcctgatat ccctaggagt gacccaagta
                                                                      601
```

```
<210> 1952
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(699)
<223> similar to gi212752 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1952
                                                                       60
ctagagetet acteetgagg taetggaceg geatteeegg getetgeaca agagggttta
                                                                      120
getggetace acagggaggg geeccaceca geetggeeae ageeagtgae caceteccae
tatgcccatg accccagcgg tatgtgccgc tctcaatcct tttcggaagc tgaaccccag
                                                                      180
                                                                      240
etgececag eteeggteeg agggggaage ageegggagg etgtgeagag gggaetgaat
                                                                      300
tegtggeage ageageagea geageageag cageetegee cacetecaeg ceageaggaa
                                                                      360
agageceact tggagagtet tgtagecage aggeceagee eteagecatt ggcagagace
                                                                      420
cccatcccca gtctccctga gttcccgcga gcagcctccc agcaggagat tgaacagtcc
                                                                      480
ategaaacae teaatatget gatgetggae etggageeag eeteegetge tgeeceaeta
                                                                      540
cacaagtccc agagtgtccc eggggcctgg ccaggggctt ctccactctc ctcccagccc
                                                                      600
ctctctggat cctcccgtca gtcccatcca ctgacccagt ccagatctgg ctatatcccc
                                                                      660
agtgggcatt cgttgggaac ccctgagcca gccccacggg cctctctgga gtctgtccct
                                                                      720
cetggcaggt ettactcace ttatgactat cagecatgtt tggctgggcc taaccaggat
                                                                      722
```

```
<210> 1953
<211> 535
<212> DNA
```

<213> Homo sapiens

```
<221> misc_feature
    <222> (2)...(516)
    <223> similar to gi1786549 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
    <400> 1953
attgtgttat ttcttcactc tgctggtggt ctacatgttg atcaactggc taccgctact
                                                                   60
tttggtggag caaggattcc agccatcgca ggcggcaggg gtgatgtttg ccctgcaaat
                                                                  120
gggggcggca agcgggacgt taatgttggg cgcattgatg gataagctgc gtccagtaac
                                                                  180
catgtogota otgatttata goggoatgtt agottogotg etggogottg gaacggtgto
                                                                  240
gtcatttaac ggtatgttgc tggcgggatt tgtcgcgggg ttgtttgcga caggtgggca
                                                                  300
aagcgttttg tatgccctgg caccgttgtt ttacagttcg cagatccgcg caacaggtgt
                                                                  360
                                                                  420
gggaacagcc gtggcggtag ggcgtctggg ggctatgagc ggtccgttac tggccgggaa
aatgctggca ttaggcactg gcacggtcgg cgtaatggcc gcttctgcac cgggtattct
                                                                  480
tgttgctggg ttggcggtgt tgattttggt tgcagcagtc aatgcagttt ccagg
                                                                  535
    <210> 1954
     <211> 179
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (3)...(170)
     <223> similar to gi2429509 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1954
ttttttcac cccacccca ggggggggt gtccccccc tccccctcc catattttt
                                                                   60
ttccccccg agetttttt ttttgggggg gtgttttccc cttttttccc ccccccaaa
                                                                   120
                                                                   179
<210> 1955
     <211> 3155
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1155)...(1325)
     <223> similar to gi3712831 in the genepept database release 114,
```

<220>

Run with FASTXY 3.3t00, default parameters

<400> 1955 60 tttcgtacca ccaccaccac gcccagcagt cagctgcagc ctctcccaac ctgactgctt 120 cacagaagac tgtaactaca acttctatga ttaccacaaa gacactacct ctcgtcttga 180 aagcagcaac tgcgaccatg cctgcctctg tggtgggcca gagacctacc attgctatgg tgaccgccat caacagtcag aaggetgtgc tcagcactga tgtgcaaaac acaccagtca 240 300 acctccagac gtctagtaag gtcactgggc ctggggcaga ggctgtccaa attgtggcaa aaaacacagt cactotgcag gttcaggcaa cacctcctca gcccatcaaa gtaccacagt 360 420 ttatececee tectagacte actecaegte caaactttet tecaeaggtt egaeceaage 480 ctqtqqccca aaataacatt cctattqccc cagcaccacc tcccatgctc gcagctcctc 540 agettateca gaggeeegte atgetgacea agtteacece cacaaceett eccacatece 600 agaattccat ccaccccgtc cgtgtcgtca atgggcagac tgcaaccata gccaaaacgt tccccatggc ccagctcacc agcattgtga tagctactcc agggaccaga ctcgctggac 660 720 ctcaaactgt acagcttagc aagccaagtc ttgaaaaaca gacagttaaa tctcacacag 780 aaacagatga gaaacaaaca gagageegea ecateaeeee acetgetgea eecaaaeeaa 840 aacgggagga gaaccctcag aaacttgcct tcatggtgtc tctagggttg gtaacacatg 900 accatctaga agaaatccaa agcaagaggc aagagcgaaa aagaagaaca acagcaaatc 960 cggtctacag tggagcagtc tttgagccag agcgtaagaa gagtgcagtg acatacctaa 1020 acagcacaat gcaccctggg acccggaaga gaggtcgtcc tccaaaaatac aatgcagtgc 1080 tggggtttgg agccettace ccaacatece eccaatecag teatectgae teecetgaaa 1140 atgaaaagac agagaccaca ttcactttcc ctgcacctgt tcagcctgtg tccctgccca 1200 gccccacctc cacagacggt gatattcatg aggatttttg cagcgtttgc agaaaaagtg 1260 gccagttact gatgtgcgac acatgttccc gtgtatatca tttggactgc ttagaccccc 1320 ctctgaaaac aattcccaag ggcatgtgga tctgtcccag atgtcaggac cagatgctga agaaggaaga agcaattcca tggcctggaa ctttagcaat tgttcattcc tatattgcct 1380 1440 acaaagcagc aaaagaagaa gagaaacaga agttacttaa atggagttca gatttaaaac 1500 aagaacgaga acaactagag caaaaggtga aacagctcag caattccata agtaaatgca 1560 tggaaatgaa gaacaccatc ctggcccggc agaaggagat gcacagctcc ctggagaagg taaaacaget gattegeete ateeaeggea tegacetete caaacetgta gactetgagg 1620 ccactgtggg ggccatctcc aatggcccgg actgcacccc ccctgccaat gccgccacct 1680 1740 ccacgccggc cccttccccc tcctcccaga gctgcacagc gaactgtaac cagggggaag agactaaata acagagcccc tctaggagaa gccacgggat cccggcggca aggagaacag 1800 1860 aacactgaag actctagaaa agcaaagccg gatttctgga aagtgcagaa ttcttttggt 1920 tetttggtte cagagagaga gaagatgett gtgecaggtg geaccagagt ttgecaattg 1980 atccttctta ttctgtgtgt acatgcaaag attggaccat gttacatgaa atagtgccag 2040 ctggaggttc tttgccagca ccatgccaag tgaaataata tatttactct ctctattata 2100 caccagtgtg tgcctgcagc agcctccaca gccacgatgg gtttgtttct gttttcttgg 2160 gtggggagca gggacgggcg gagggaggag agcaggtttc agatccttac ttgccgagcc 2220 gtttgtttag gtagagaaga caagtccaaa gagtgtgtgg gctttcctgt ttctaaactt 2280 tegetactat aaaaccaaaa aaaggaattg agatttcacc aaccccagtg cecagaatag ggaaggggag tggctggagg gagcaggggg tgggacagtg tatcaaataa gcagtattta 2340 2400 atcacctctg gcgggggcct cgtgcaaggg gagactgaca ccaagaacag ccagtaggtt 2460 cttctcccct gcactctgct ccctgcgcgg taaccccacc actcctgaag cctgcccagt 2520 ctectteett ceetgettgg tgagtegege atcteegtgg ttateeeget gteteetete 2580 caagaacaag cagagcccgg gccactggcc cttgcccaag gcagggaaga aggatgtgtg tgtccaggaa ggaaaaaaag gtggatcagt gattttactt gaaaacaagc tccatccctt 2640 2700 ttctatattt ataagaagag aagatcttga gtgaagcagc acgcgaccca ggtgtgtgtg aattgaatgg agacgtttct tttctctttc tttaattttt gtttttgttc tttttttctt 2760 2820 taaggaaagt tttattttac tgttcatttt actttcttgg taacaaaaac taaaataagg 2880 aatagaaaag ctgtttttca ggctgacagt ccaattaagg gtagccaaga ccttgcatgg 2940 tagagtagga atcatagtgt cagtgaggtc ccgtgagtct ttgtgagtcc ttgtgtcatc 3000 gttcgggcac tgttttttta tgcaagggca aaaatctttg tatctgggga aaaaaactt 3060 ttttttaaat taaaaaggaa aataaaagat attgaggtct tcctagtgtt acttaaatta agatcaaggt aagaaacatt gtaaaaaaaa attacaaaag tgctatttgt ttcctaaaaa 3120

```
<210> 1956
<211> 691
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(689)
<223> similar to gi3372657 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>						
ccggaattcc	ggtaacgttt	cgtagaagac	cgaattcctt	accaagacag	agagagttac	- 60
agtcagcctg	catggcatca	tcgtggacct	ccacagcggg	attggaaatg	ggaaaaagat	120
ggctttaata	atactaggaa	aaacagcttt	ccacattctt	tgaggaatgg	tggtggacca	180
agaggaggt	ccgggtggca	taaaggtgtt	gcadgaggct	cctcgacttg	gtttcacaac	240
gatagtaatt	ctggaggtgg	ttaactttca	aatagtggag	cagtagattg	gaatcataat	300
catageaace	ggaattccag	ttggctttct	daaddaadad	ataacttttc	cagttggcat	360
ggcacaggaa	ggaactccag	ctggccccc	aggaacag	gtagaataa	ttggaattac	420
atgaacaaca	gtaacggaaa	ctggaaatcc	agigiacgia	gtataaataa	tessatessa	480
agtggccctg	gagacaaatt	tcaaccaggc	agaaacagaa	attetaactg	tcaaatggaa	
gacatgacta	tgctatggaa	caagaaatct	aataagtcaa	acaaatacag	tcacgacaga	540
tataattqqc	agcggcaaga	aaatgacaaa	cttggtacag	ttgccacata	"tagaggtcct	600
tctgaaggat	ttacaagtga	taaatttcct	tcagaaggct	tactcgactt	caattttgag	660
	gccaaaccac					691

```
<210> 1957
<211> 550
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)...(452)
<223> similar to gi406738 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1957
cccggaccca cgccgcccc gcgccacggc tctcccccac accgccttat tcgggtcgag 60
accccggggc ccccggcgcc gcctgctgat gagcggatct ccggaccccc cgccagcagc 120
gataggctag ctatcctaga agactatgcg gacccgtttg atgttcagga gactggcgaa 180
ggctcagcag gagcttcagg agccccagag aaggtccctg aaaatgatgg ctacatggag 240
```

```
ccctatgaggctcaaaagatgatggccgagatccggggctccaaggagacagcaactcagcccttgcctctgtatgacacaccctatgagccagaggaggatggggccaccccggaaggtgagggggccccctggccccgggagtcccgcctgccagaggatgatgagaggcccctgaggagtatgaccagccctgggagtggaagaaggagcggatttccaaagcctttgcagttgacattaaggtcatcaaagacctaccttggctccacctgtgggacagctggacagcagccctccctgcctg550
```

```
<210> 1958
<211> 796
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(596)
<223> similar to gi212752 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1958
                                                                       60
attgtgccca ttggccatcc atcccaaaga aggtacgtgc attacttcag tggcctgctc
teeggeteea teaaaatgaa caacaageee ttgtttetge accaegtgat catgeaegge
                                                                      120
atccccaact ttgagtctaa aggaggatgt cggccgtttc tccgcatcta ccaggccatg
                                                                      180
caacctgtgt acacatctgg catctacaac atcccaggag acagccagac tagcgtctgc
                                                                      240
                                                                      300
atcaccatcg agccaggact gctcttgaag ggagacatct tgctgaagtg ctaccacaag
aagtteegaa geeeageeeg agaegteate tteegtgtge agtteeacae etgtgeeate
                                                                      -360
catgacctgg gggttgtctt tgggaaggag gaccttgatg atgctttcaa agatgatcga
                                                                      420
                                                                      480
tttccagagt atggcaaagt ggagtttgta ttttcttatg ggccagagaa aattcaaggc
                                                                      540
atggagcacc tggagaacgg gccgagcgtg tctgtggact ataacacctc cgaccccctc
atccgctggg actcctacga caacttcagt gggcatcgag atgacggcat ggaggatggg
                                                                      600
aacaaacaga ataccaatag ccagtcaatt ggaagcatct caggtggcct ggaggatcaa
                                                                      660
                                                                      720
tatacctgga cagacacaca ctggccttcc caaagttagg ccctccaaaa tgtcaagttg
                                                                      780
ccaagccaga atccaaagct ttgcactgag aacttcatgt tggggetetg tecceteetg
                                                                      796
gagecetgee tgggtg
```

```
<210> 1959
<211> 619
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(620)
<223> similar to gi2224713 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1959
                                                                       60
gageggeege agegeegtet geteagegee egggteaata ggageeagte ettegeagge
gtecteggea gecaegageg ggggeecagg agttteeegg tetteageee geeggggeee
                                                                      120
                                                                      180
ccacggaage eccegeget etcecgagtg tecaggatgt ttteegtgge teacceagee
                                                                      240
qccaaqgtgc cgcagcccga gcggctggac ctggtgtaca cggcgctgaa gcggggcctg
                                                                      300
acggcctact tggaagtgca ccagcaggag caagagaaac tccaggggca gataagggag
tecaagagga attecegett gggetteetg tatgatetgg acaagcaagt caagtecatt
                                                                      360
gaacgettee tgegaegaet ggagtteeat geeageaaga tegatgaget gtatgaggea
                                                                      420
                                                                      480
tactgtgtcc ageggegtet eegggatggt geetacaaca tggteegtge etacaceact
gggtccccgg gaagccgaga ggcccgggac agcctggcag aggccactcg ggggcatcgc
                                                                      540
                                                                      600
gagtacacgg agagcatgtg tctgctggag agcgagctgg aggcacagct tggcgagttt
                                                                      619
catctacgaa tgaaagggg
```

```
<210> 1960
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (339)...(419)
<223> similar to gi4102883 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 1961
<211> 533
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(535)
<223> similar to gi30266 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1961
                                                                      60
gcggtactgc gccggaattc ccgggtcgac ggctgcgaga agacgacaga agggcaagat
geggegeate gaetgtetee ggeaggegga caaggtgtgg eggetggaee tggteatggt
                                                                     120
catcctgttc aagggcatcc cgctggagag caccgacggc gagcgcctgg tcaaggctgc
                                                                     180
                                                                     240
gcagtgcggt cacceggtcc tgtgcgtgca gccgcaccac attggcgtgg ccgtcaagga
getggaeete taeetggeet aettegtgeg tgagegagat geagageaaa geggeagtee
                                                                     300
ccggacaggg atgggctctg accaggagga cagcaagccc atcacgctgg acacgaccga
                                                                     360
cttccaggag agetttgtca cctccggcgt gttcagcgtc actgagctca tccaagtgtc
                                                                     420
                                                                     480
ccggacaccc gtggtgactg gaacaggacc caacttctcc ctgggggagc tgcaggggca
cctggcatac gacctgaacc cagccagcac tggcctcaga agaacgctgc cca
                                                                     533
```

```
<210> 1962
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(475)
<223> similar to gi8797 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1962
                                                                       60
ccqqqtcqac gatttcqtaa tqccqtcqgt ttcqaaaqcq gcqqcaqcqq cqctqaqcqq
                                                                      120
gtecececeg cagaeggaga ageegaeeca etacageaea agtgegegea geaeeggeeg
                                                                      180
ttcacctgct tccactggca cttcctcaac cagcggcgcc gcaggcccct ccgcaggcgc
gacggcacct tcaactacag ccccgacgtg tactgctcca agtacaacga agccaccggc
                                                                      240
gtgtgccccg acggcgacga gtgtccctac ctgcaccgga cgacggggga cacagaacgc
                                                                      300
                                                                      360
aaqtaccacc tgcgttacta caaaacagga acctgcatcc acgagacaga cgcacgtggc
                                                                      420
cactgcgtga agaatgggct gcactgtgcc ttcgcgcacg gccccctgga cctgcggccg
                                                                      477
cccgtgtgtg acgtcaggga gctgcaggcc caggaagcct tgcagaacgg ccagctg
```

```
<210> 1963
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (136)...(437)
<223> similar to gi155625 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1963
cgatcctgct ccggaactcc cgggtcgacg atttcgtgga ggaagagctg ccggaagtag
                                                                       60
gcggtggagg tggtagcgga gctgacggca gctgccaggg aaaccgaggc gcgggacgca
                                                                      120
aggccagcag acaggccggc cagagggtca tctgcgtccg gcacccagga ggctcgtggt
                                                                      180
ccgcctttgc ctgggctgag ggtctctggc cccgcagcct ctcttggagg cgggcctgtc
                                                                      240
cctaagcccg ccaaggggcg ccgcgccgag gggctgcgga gtgggggacg gacgcccccg
                                                                      300
                                                                      360
acccgggaag gggcgtccgg cggggccgga ggagagggct ctccccgctc aggaggtgcc
                                                                      420
cctgggcggg ggaccgggag tcctcaaccc cggactgagg caggggtctc tgggggcgag
                                                                      480
gaatgcacaa ttccctctat ccccgtcacg actttgttca gatctaataa atgctgaacg
                                                                      517
ctcatgaccc tcactagtcg atctctcaat ccgcttg
```

```
<210> 1964
<211> 879
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(857)
<223> similar to gil212917 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1964
                                                                       60
tttcqtqqcc atgagggagg atggcggcac cttgggcgta ttctctccca aaaagacacc
                                                                      120
acacctcgtc aacctgaacg aggacccgct gatgtctgag tgcctgctct actacatcaa
ggatgggatc accagagtgg gcagggagga tggcgagagg cggcaggaca ttgttctgag
                                                                      180
                                                                      240
tgggcacttc atcaaggagg agcactgcgt cttccggagc gactccaggg gaggcagcga
                                                                      300
agetqtqqtq accttqqaqe cetqtqaqqq qqcaqacace tacqtcaatq qcaaqaaaqt
                                                                      360
cacagagece ageatectge gttcaggaaa cegeateate atgggtaaga gecatgtgtt
                                                                      420
ccggttcaac caccccgagc aggcccggca ggagcgtgag cgcacgcctt gtgcggagac
gccagctgag cctgtggact gggccttcgc ccagcgtgag ctgctggaga agcagggcat
                                                                      480
                                                                      540
cgacatgaag caggagatgg agcagagget ccaggaactg gaggaccagt accgccgcga
gcgggaggag gccacctacc tgctggagca gcagcggctg gactatgaga gcaagctgga
                                                                      600
ggctctgcag aagcagatgg actccaggta ctacccggag gtgaacgagg aggaggagga
                                                                      660
                                                                      720
gcccgaggat gaagtccagt ggacagagcg ggagtgtgag ctggcgctct gggccttccg
                                                                      780
gaagtggaag tggtaccagt tcacgtctct gcgggacctg ctgtggggca acgccatctt
                                                                      840
cctcaaggag gccaatgcca tcagcgtgga gctgaaaaag aaggtacaat tccagtttgt
                                                                      879
cctcctgacg gaccctcgtg ccaagcttgg cgtagtcag
```

```
<210> 1965
<211> 749
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (84)...(605)
<223> similar to gi309241 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1965
                                                                       60
tttcgtgcgg ctcggcgctc cgggcctggc gttgtggcgc cgcagccctt gccaccttcc
                                                                      120
ctgcacctgc cctgcccggc ctcatgtacc gcgcgctgta cgcgttccgc tcggcggagc
ccaacgcgct ggcgttcgcc gcgggcgaga ccttcctggt gctagagcga agcagcgcgc
                                                                      180
actggtggct ggccgcgcgg gcgcgcagtg gtgagacggg ctacgtgccg ccagcctacc
                                                                      240
tgcgccgcct gcagggcctg gagcaggatg tcctccaggc cattgaccgg gccatcgagg
                                                                      300
ctgtacacaa cacagccatg cgggatggtg gcaagtacag cctggaacag cgtggagtcc
                                                                      360
                                                                      420
tccagaaget gatccaccac eggaaagaga ceetgtcacg cagaggeeet tcageeteea
gtgttgcagt tatgacctca tcaaccagtg accaccactt ggatgctgct gcagccaggc
                                                                      480
ageccaatgg ggtgtgtega getgggtteg ageggeagea cagectaece agttetgage
                                                                      540
atettgggge agatggagge etettecaga teccaettee atetteccag ateccaecae
                                                                      600
                                                                      660
agectegeeg ageageacce accaeacege ceceaceagt gaagegeega gacegegagg
ccctgatggc ctctgggagt ggtggccaca acaccatgcc ctccgggggt aactctgtgt
                                                                      720
                                                                      749
ccagcggctc ctcagtcagc agttgtatt
```

```
<210> 1966
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(568)
<223> similar to gi2047300 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1966
                                                                       60
agatacece ecgaatteee gggtegaega tttegtgage cetgtggeee ggggagggge
atctgcatga acaccggcgg ctcctacaat tgccactgca accgcggcta ccgcctgcac
                                                                      120
qtqqqcqccq qqqqqcqctc qtqcqtqgac ctgaacqaat qcqccaaqcc ccacctqtgc
                                                                      180
ggcgacggcg gcttctgcat caactttccc ggtcactaca agtgcaactg ctaccccggc
                                                                      240
taccggetca aagceteetg geeteetgtg tgcgaagaca tegacgagtg eegggaceca
                                                                      300
                                                                      360
agetettgee eggatggeaa atgegagaae aageeeggga getteaagtg categeetgt
                                                                      420
cageetgget acegeageea ggggggeggg geetgtegeg aegtgaaega gtgegeegag
                                                                      480
ggcagcccct gctcgcctgg ctggtgcgag aacctcccgg gctccttccg ctgcacctgt
                                                                      540
geccaggget aegegeeege geeegaegge egeagttget tggatgtgga egagtgtgag
                                                                      570
gctggggacg tgtgtgacaa tggcatgtat
```

```
<211> 889
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (132)...(412)
     <223> similar to gi3877493 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1967
atgggeetgt etgtggegtt ggtetgteeg tggegtggge eggteegtgg egtgggeegg
                                                                       60
tecacagtgt gggtggaggt ggaegtgetg cactgeatgg tgetgagetg ecetgeetet
                                                                      120
ctggggcagc caccgtggag cgggagatgg agctgcggca caagaatgag atgctgcgag
                                                                      180
tggagaccga ggcccgggcg cgcgccaagg ccgagcggga gaatgcagac atcatccgcg
                                                                      240
                                                                      300
agcagateeg cetgaaggeg teegageace gteagacegt ettggagtee ateaggaegg
                                                                      360
ctggcacctt gtttggggaa ggattccgtg cctttgtgac agaccgggac aaagtgacag
ccacggtaaa catattcata aaacaggget ggcaggtggc tgagaggcag catgtggggg
                                                                      420
                                                                      480
cctcctggag ccccaggtcc tgtccctgcc ggctctgcac agccctgtag ctctcccagc
                                                                      540
acagageaaa cccaegttgt acctgetggg ctcggetget cctccctcct tgagetggga
                                                                      600
gaaaaaaatg cagttgccag cctgggccac acggtgagac cccatctcta cgaagaataa
                                                                      660
aacattagct gggtgtgatg gtggcgcctg tggtcctgct actcgagagg ctgaggtagg
                                                                      7.20
aggatcactt aagcccagga ggtttgggct gcagtgagcc aacattgcac cactgcactc
                                                                      780
cattettggc gagagaataa gacettgtet caagaaaaaa atggccaggc ggtagtgget
                                                                      840
caggectita ateccageat ttteggagge ggaggtggge ggategegag gteeggagat
                                                                      889
cgagatcatc cttggtaaga agtgaaaccc tgtctctact aaaaaaaag
     <210> 1968
     <211> 898
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (297)...(775)
     <223> similar to gi5901818 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1968
                                                                        60
agtgtattta atttgtgctg aatacagcat cttaaaatat gaattttgtt caccaacact
tgcaaatcaa gagatgtaca ttgatctgga tttcccactt aggggaaaga aatcagatga
                                                                       120
                                                                       180
tetggeaaca taaactatat teecacacag tggetggage tetaatagaa getgeaaaat
                                                                       240
caaagataca tcagtacaaa gtacgagctt atatccaaat gaagtctctg aaagcatgta
                                                                       300
aaagggaaat caagtcagtc atgaatacag ctggaaattc cgcaccctct ctctttctta
```

<210> 1967

```
aaagcaattt tgagtactta agaggtaatt atcgaaaagc cgtgaagcta ttaaatagtt
                                                                      360
caaacattgc tgagcatcca ggattcatga aaacaggtga atgcttgaga tgcatgttct
                                                                      420
ggaataacct tggttgcatc cattttgcca tgagcaagca caatttggga atattctact
                                                                      480
ttaaaaaggc tctgcaagag aatgacaatg tctgtgcaca gctcagtgca ggtagcactg
                                                                      540
                                                                      600
atccaggtaa aaaattttca ggaagaccca tgtgtacgtt actaaccaat aagagatatg
agttgctgta taactgtgga attcagcttc ttcacattgg aaggcctctt gctgccttcg
                                                                      660
aatgtotgat tgaagotgtt caggtttatc atgcaaatcc-tcgcctctgg ctacggctgg
                                                                      720
                                                                      780
ctgaatgctg cattgctgcc aataagggga cttctgaaca agaaactaaa ggccttccca
gcaaaaaagg aattgtacag tctattgttg gtcaaggcta tcatcgtaaa atagttttgg
                                                                      840
catcacagte tatacagaat actgtttata atgatgggca gtetteggee attectgt
                                                                      898
```

```
<210> 1969
<211> 562
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(563)
<223> similar to gi258856 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1969
caattttttt ctctttctt aaggtatcag atacacaccg gacttcaaca ttctatcata
                                                                       60
agacetacce aacecaactg tttacetetg gacaatgeca cectacetea gaaactgaag
                                                                      120
gaggttggat attcaacgca tatggtcgga aaatggcact tgggttttta cagaaaagaa
                                                                      180
                                                                      240
tgcatgccca ccagaagagg atttgatacc ttttttggtt cccttttggg aagtggggat
                                                                      30Ò
tactatacac actacaaatg tgacagtcct gggatgtgtg gctatgactt gtatgaaaac
                                                                      360
gacaatgctg cctgggacta tgacaatggc atatactcca cacagatgta cactcagaga
gtacagcaaa tottagotto coataaccoo acaaagcota tatttttata tattgcctat
                                                                      420
caagetgtte atteaceaet geaageteet ggeaggtatt tegaacaeta cegateeatt
                                                                      480
                                                                      540
atcaacataa acaggaggag atatgctgcc atgctttcct gcttagatga agcaatcaac
aacgtgacat tggctctaaa ag
                                                                      562
```

```
<210> 1970
<211> 2171
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(509)
<223> similar to gi3979817 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1970
                                                                     60
cacgcgtccg gaaaggaaga ggcggtgaga ggctgcaaag ccccttgcgt gttccgcaga
aaccagaaag acctcccctt ccacccaagc ctcagttcct aaactcaggg gcatatcctc
                                                                    120
aaaaacctct tagaaatcag ggagtggtga ggacactgtc cagctctgcc caagaggaca
                                                                    180
                                                                    240
tcatccggtg gtttaaagag gagcagctac cacttcgagc gggctaccag aaaacctcag
                                                                    300
acaccatage eccetggtte catggaatte teacacteaa gaaageaaat gaacttette
                                                                    360
tgagcacagg catgcccggc agttttctca tccgagtcag tgaaaggatc aaaggctatg
                                                                    420
ccctgtccta tctgtcggag gacggctgta aacatttcct catcgatgcc tctgcagacg
                                                                    480
cctacagett cctgggcgtg gaccagetac agcatgccae cttggcggat ttggtggaat
atcacaagga ggaacccatc acttccctgg ggaaggagct ccttctctat ccctgtggtc
                                                                    540
                                                                    600
agcaggacca gctgcctgac tacctggagc tgtttgagtg acagcctcca tcagggtcat
                                                                    660
cctacaqcct ccaagcgggc tttcccctgg acaaatgcca ctgcaacatt tatgtgtgaa
gccaaaatca ccctgcagca gagccaatac tgatcaactg aaagtatcca tggagtcctc
                                                                    720
attgacacct cttttctgca caaatactgg aattcaatgt caagagaaaa tgacctctgc
                                                                    780
                                                                    840
tcaaaaggga gaagagtete aattteagea agtaeetgte atgaagggta tgaeettaat
gatgtacata aaataaaaca aatgaagaaa tggaaaactt ttagaaatta aggtgtactt
                                                                    900
gaaaacgagt atctatcata tgacccctgc actccctctg tatcatctca ggaggtttca
                                                                    960
ggggcctgtt gacatgaagt ttcgaagttt catgttggct ttggaatggt agcaaaagcc
                                                                   1020
tttcctggct gagatgatgc ttaaaacaca cctcacttat tgtacatgtt ggaaccagga
                                                                   1080
catgagagac atagaaaaac agaagtcatg aatgtaaatt gaatgagagg cttaacatgc
                                                                   1140
atgaaaatac agatggacct gcaggaaagt gagcaaacat cgctgagttt gttttcttgt
                                                                   1200
                                                                   1260
tcgggagaat ggggccgggg ctggcctggc ctcccctgga tatactctat agtgcaccaa
aaggataaag catctgtaca tgtatttttt tattttttat cagaagtgct tagacaagaa
                                                                   1320
                                                                   1380
cagaataagc aggetgtttg gatgetaett gtggttgaat tgtgtteece caaaatatat
ggtgaagtet taacccccat ccccgtgaat gggacettgt ttggaaatag ggtetttgca
                                                                   1440
                                                                   1500
gatatagtca agatgaggtc acattggatt agggtgggcc ccaaatccaa tgactggcat
                                                                   1560
ccttaggaga agagagatt ttggtaatag acacaaatgc agtgggaaga agaccagggg
                                                                   1620
1680
ccagcagaag ccagcagaga ggcatgggac aggttcccca caagccttag aaggaagcat
                                                                   1740
ggccctgact tcagaattcc agactccaga actggaagaa taaatgtctg ttgttttaag
                                                                   1800
ctgcttagtt catgctgagt tcatgctgac ttgttactat agccccagaa agctaataca
                                                                   1860
gtcgtttatg taattacata acctgacaca caagatcgac ccattcactg ctgcccagtc
caccattttc ataatgaagt agaaatggga ggtaagaaaa acattccagc cagttctgtt
                                                                   1920
tagecetggg acacatattt gtecegteag gaatettatg ecetéetgga acceeegece
                                                                    1980
                                                                   2040
acctcagtcc agtcccagtc aggcgaacgg cctctggaca gggactgagg tggctttgag
                                                                    2100
ccactggaga tcatttttct tggaggatgg agattggcta gtacctctgg cctaactgtg
taggtcaata ctcttttaca ttgccttcta ataaaagcag aatgatacag cagtgttgtt
                                                                    2160
                                                                    2171
aaaaaaaaa a
```

```
<211> 570
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (162)...(558)
<223> similar to gi3329623 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<210> 1971

```
<400> 1971
cccgggcgac cacgcgtccg aaaaatgaag tccaggacta tgtcagtgta gaatacctgt
                                                                       60
ctccccacat gggtggaact gatcctttca agtgtagcta tgcaccacta gtagatgatg
                                                                      120
acttccagac cccactgtgt gagaatgggc ctattaccag tgaggatgaa acttcaagta
                                                                      180
aagaagacat agaaagtgat ggcaaagaaa cattggaaac aatttctaat gaagaacaaa
                                                                      240
                                                                      300
cacctettet taaaaagatt aacceaaccg aatetaette caaagcagaa gaaaatgaaa
                                                                      360
aagttgattc aaaagtgaaa gctttcaaga aaccattgag tgtatttaaa ggccccttac
tacacatcag cccagcagaa gaactgtact ttggaagtac agaatccgga gagaagaaaa
                                                                      420
                                                                      480
ccttaatagt gttgacaaat gtaactaaaa atatagtggc atttaaggtg agaacaacag
                                                                      540
ctccagaaaa atacagagtc aagccaagca atagcagctg tgacccgggt gcatcagtgg
                                                                      570
atatagttgt gtctccccat gggggtttaa
     <210> 1972
     <211> 639
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (43)...(550)
     <223> similar to gi296908 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 1972
                                                                       60
tttgcactcg tgagcaattc ggcacgagct tccgagtgtc atagtaaaca agaactggag
                                                                      120
gctgatgtca gccataaaga aaccaaaagg aaactcgtag aagcagaaaa ttctaagtca
aaaagaaaga aaccaaatga gtattcaaaa aatctggaga agaccaatag gaagtcagaa
                                                                      180
gaacttagca aaagaaacaa ctcttctggg ataaagctag attcttccaa agattctgga
                                                                      240
                                                                      300
actgaagaca tgctttggac agaaaagtat caacctcaga ctgccagtga acttatagga
aatgagttag ctataaaaaa gttacatagt tggttgaaag actggaaaag aagagctgaa
                                                                      360
ttggaagaaa ggcagaatct gaagggaaaa agagatgaga aacatgaaga tttctcgggt
                                                                      420
                                                                      480
ggcatagact ttaaaggcag ttcagatgat gaagaagaga gtcgtctttg caatactgtc
cttataacag ggccaacagg agtgggaaaa actgctgcag tgtatgcttg tgcccaggag
                                                                      540
cttggattta aggttagtaa cagctatgat gagagaatgt taatgtaata attacccttg
                                                                      600
                                                                      639
gattaaaagg aaacataaac cattctccct tcgtttttt
     <210> 1973
     <211> 2095
     <212> DNA
     <213> Homo sapiens
     <220>
```

<221> misc\_feature <222> (267)...(1642) <223> similar to gi9916 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 1973
                                                                       60
ggggaagtet ggagaaggea ttgttteaat tattaaaagt gtgggggeag tgggeggaae
aaacgcgccg actacagagg ctggacgtaa gcttatcggt ggcgcgcgtg cgcagcgcg
                                                                      120
gcccgagttg ccaaaacaaa ggggatttgg tgatggaggc tttgttagaa ggaatacaaa
                                                                      180
atcgagggca tggtggggga tttttgacat cttgtgaagc agaactacag gagctcatga
                                                                      240
aacagattga cataatggtg gctcataaaa aatctgaatg ggaaggacgt acacatgctc
                                                                      300
tagaaacttg cttgaaaatc cgtgaacagg aacttaagag tcttaggagt cagttggatg
                                                                      360
tgacacataa ggaggttgga atgttgcatc agcaggtaga agaacatgaa aaaatcaagc
                                                                      420
aagagatgac catggaatat aagcaggagt tgaagaaact acatgaagaa ttatgcatac
                                                                      480
tgaagagaag ctatgaaaag cttcagaaaa agcaaatgag ggaattcaga ggaaatacca
                                                                      540
aaaatcacag ggaagatcgg tctgaaattg agaggttaac tgcaaaaata gaggaattcc
                                                                      600
gtcagaaatc gctggactgg gagaagcaac gcttgattta tcagcaacag gtatcttcac
                                                                      660
tggaggcaca aaggaaggct ctggctgaac aatcagagat aattcaggct cagcttgtca
                                                                      720
atcggaaaca gaaattagag tctgtggaac tttctagcca atcagaaatt caacacttaa
                                                                      780
gcagtaaact ggagcgggct aatgacacta tctgtgccaa tgagttggaa atagagcgcc
                                                                      840
tcaccatgag ggtcaatgac ttggttggaa ccagtatgac tgtcctacag gagcagcagc
                                                                      900
                                                                      960
aaaaagaaga aaaattgagg gaatctgaaa aactattaga ggctctgcag gaagaaaaga
gagaattgaa ggcagctctt cagtctcaag aaaatctcat acatgaggcc agaatacaaa
                                                                     1020
aggagaagtt acaagaaaaa gtaaaggcaa ctaacactca acatgctgta gaagctataa
                                                                     1080
gtttggaatc tgtgagtgca acgtgtaaac agctgagcca agaactaatg gaaaaatatg
                                                                     1140
aagaactgaa gaggatggaa gcacataaca atgaatacaa agcagagatt aagaagttga
                                                                     1200
aaqaacaqat tttacaqqqt gaacaaagtt acagttctgc actagaagga atgaagatgg
                                                                     1260
aaatctccca tctaactcag gagttacatc agcgagatat cactattgct tccaccaaag
                                                                     1320
gttcttcctc agacatggaa aagcgactca gagcagagat gcaaaaggca gaagacaaag
                                                                     1380
cagtagagca taaggagatt ttggatcagc tggagtcact caaattagaa aatcgtcatc
                                                                     1440
tttctgaaat ggtgatgaaa ttggaattgg gtttacatga gtgttccttg cctgtatctc
                                                                     1500
cccttggttc aatagctacc agatttttgg aagaggagga actgaggtct catcacattc
                                                                     1560
tagagcgctt ggatgcccat attgaagaac taaaaagaga gagtgaaaag acagtgagac
                                                                     1620
aattcacago ottaaagtag ootottaaaa aaatcacaat ottggaaata aaaataaaca
                                                                     1680
ccaaagagtt actgtcatct gaagtagcag ctctttaaaa acatgaagag ataaaattat
                                                                     1740
aaaaatgata catctaaagc agtggtgaag aaagctgaaa aactgatact tttgataggc
                                                                     1800
attttctctg cactggtttt tttaaaggac ttcttccagc aataagttga aagaataaac
                                                                     1860
cactttgcta gacttttttc tcatacgaat atttattatc ataaagtgat acttaccttg
                                                                     1920
ctgacttaaa tgtgaatagc tatgtactaa ttgaaataag gattttatga tacatgttga
                                                                     1980
aaataaagta actgcaggaa ctttctttag gggaaatgtg tagaagcatg gatttagggg
                                                                     2040
tcaaacatac ctggatcgat agactggttt tgccacttac cagccaacgg ggctt
                                                                     2095
```

```
<210> 1974
<211> 469
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(468)
<223> similar to gi414115 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1974
attgacccgc cctgaattgt cccccgctgc aggaattcgg cacgagaaag aaagaaagac
                                                                       60
caagctccaa tatgaaaaac agatggagga aagacagaga aagctgaagg agcgaaaaga
                                                                      120
gaaagaagaa caacggagaa tagctgcaga agaaaaaaga caccagaagg atgaagcaca
                                                                      180
                                                                      240
aaaggaaaaa tttacagcca ttctttatcg tactttggaa cggaggagac ttgctgatga
ttatcagcaa aaaagatggt catggggagg ctctgcaatg gcgaattctg agagcaaaac
                                                                      300
tqccaataaa cgatctgcat ctactgaaaa acttgaacag ggtacttctg ctttaatcag
                                                                      360
acaaatgcct ttgtcatctg caggccttca aaattccgtt gccaaaagga aaacagacaa
                                                                      420
                                                                      469
ggagagaagc tcatctttaa atagaagaga tagtaaccta cattcgtct
```

```
<210> 1975
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (50)...(469)
<223> similar to gi3873679 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1975
                                                                       60
gggtttcata gatcgtcgtg ggcattccgc acgaggcgag aggtactacg tgcccgaagg
                                                                      120
agagtgctgc ccagtgtgtg aagatccagt gtatcctttt aataatcccg ctggctgcta
                                                                      180
tgccaatggc ctgatccttg cccacggaga ccggtggcgg gaagacgact gcacattctg
                                                                      240
ccagtgcgtc aacggtgaac gccactgcgt tgcgaccgtc tgcggacaga cctgcacaaa
                                                                      300
ccctgtgaaa gtgcctgggg agtgttgccc tgtgtgcgaa gaaccaacca tcatcacagt
tgatccacct gcatgtgggg agttatcaaa ctgcactctg acagggaagg actgcattaa
                                                                      360
                                                                      420
tggtttcaaa cgcgatcaca atggttgtcg gacctgtcag tgcataaaca ccgaggaact
                                                                      467
atgttcagaa cgtaaacaag gctgcacctt gaactgtccc ttcggtt
```

```
<210> 1976
<211> 503
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(506)
<223> similar to gi220637 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1976
                                                                       60
ccggggagaa gccttacgag tgcagcgact gcgggaaagc cttcaacgac ccttcagccc
ttaggagcca cgcaagaact cacctcaaag agaagccctt tgactgcagt cagtgtggaa
                                                                      120
atgcattccg gacceteteg gecetgaaaa tecacatgeg agtteacaet ggegagagge
                                                                      180
cttacaagtg tgatcagtgc gggaaggctt acggccggag ctgccacctc atcgcacaca
                                                                      240
                                                                      300
agagaacgca caccggagag aggccctacg agtgtcacga ctgtgggaaa gctttccagc
acccctccca cctcaaagag cacgtgagga atcacacggg ggagaagccc tacgcgtgca
                                                                      360
cgcagtgcgg caaagccttc cgctggaagt ccaactttaa tttgcacaag aagaaccaca
                                                                      420
tggtggagaa gacctacgaa tgtaaagaat gcgggaaatc ctttggcgat ctcgtgtccc
                                                                      480
                                                                      503
ggaggaaaca catgaggatt cac
```

```
<210> 1977
<211> 870
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(873)
<223> similar to gi488555 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1977
gcacgageta cagcagetgt ggggaagtgt teettaatea gteatacett caggeaegtg 3
                                                                       60
cgggaagtca caacggagaa gaaacatgga aatggaagcc gtgtgggaaa gctctaactc
                                                                      120 -
                                                                      180
actocatggg etgegecaca cetgttgaaa tgeatgeegt caggaateee caegtatgta
                                                                      240
gggaatgtgg gaaggcettt aggtacactg cetacettae tggtegegtg caagtecace
                                                                      300
ctggggaaaa gccctgtgaa ttggaagaat gtggaaaaagc ctcccctgtt tcttccagcc
taactcaaca tgtaagaatt catgctgcag agaaaccctg tgaatgtaaa gaatgcggaa
                                                                      360
                                                                      420
aageetteae tggaetetea ggtettteta aacaegteea aacagaeeet ggaeagaage
                                                                      480
cctatgaatg taaggactgt gggaaagcct gcggtgggtt ttatctactg aatgagcatg
                                                                      540
gaaaaactca cacgagggag aagccctttg catgtgtggt ttgcggaaaa tattttagaa
attecteatg cettaataat catgitegaa ticacaetgg aataaaacce tatacatgea
                                                                      600
                                                                      660
gctactgtgg gaaggccttc actgtgcgct gtggccttac tagacacgta cgaacacaca
                                                                      720
cgggcgagaa gccatacacg tgtaaggact gcgggaaagc cttctgtaca tcctcgggcc
ttactgagca tgtaaggact cacactggag agaaaccata tgaatgtaaa gattgtggga
                                                                      780
                                                                      840
aatccttcac tgtttcttca agcctgactg agcacgcaag aatccatacc ggagagaaac
                                                                      870
cctacgaatg taagcagtgt ggcaaagcct
```

```
<210> 1978
<211> 473
<212> DNA
<213> Homo sapiens
```

<220>
<221> misc\_feature
<222> (6)...(476)
<223> similar to gi5410330 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 1978 ccgcgctgca ggaattcggc acgagagata gtgtgtatgg actagaactg caccgcgata 60 agagagtttt agcgctagag atccttcctg agagagtgcc aactcctcgt atcgattcac 120 180 gactggcaga ttccctgatt ggcaaggcag tggagcatgt gtttgaaggt gaacatggta 240 ccaaggatga atggaagggt atggtcctgg cgcgagetee tgtgatggat aettggtttt 300 acatcaccta cgagaaagat cctgttctct atatgtacac gctgcttgat gactacaaag atggtgactt acgcattatt ccagattcca actactattt ccctacagca gaacaggagc 360 ctggagaggt ggtcgacagt ctcgtgggca agcaggtgga gcatgccaaa gatgacgggt 420 ccaagagaac tggcattttt atacatcaag tggtggcgaa gccatctgtt tac 473

<210> 1979
<211> 860
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (62)...(862)
<223> similar to gi3184082 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 1979 60 ggaatteetg ttggaagaat ttagacaaac teagcaagtt eetecaaaca aaatagatta tgaatatagt gaattgatat tataccagaa tcaagtgatg agagaggcag atctgttgca 120 ggaatctttg gaacatatag aaatgtatga gaaacaaata tgtgataaac ttttggtgga 180 agaaattaaa ggggaaatac tgttgaaatt gggaagatta aaagaagcca gtgaagtgtt 240 caaaaacttg attgatcgaa atgcagaaaa ctggtgttat tatgaaggct tggaaaaaagc 300 360 tctacaaatt agcactttag aagagaggct tcaaatttat gaagaaatta gtaagcagca 420 ccccaaagca attacaccca gaagattacc tttgactctt gtcccaggtg aaagatttag 480 agaactaatg gataagttcc tgagggttaa cttcagtaaa ggctgcccac ccttgtttac 540 tactttgaaa totttatatt acaatacaga aaaggtttot ataatccagg aacttgttac 600 taattatgaa geetetetta aaaegtgtga ettttttage eeatatgaga atggggagaa 660 ggaacccccg acaacactac tctgggttca gtatttcctg gcacagcact ttgataaact tggacagtat tctttggctt tggattatat taatgctgca attgctagta ctccaactct 720 780 aatagaatta ttctatatga aagcaaaaat ttacaagcat ataggtaatc tcaaagaagc 840 tgcaaagtgg atggatgaag cacagtcttt ggacacagct gatagattca tcaattccaa 860 atgtgcaaaa tacatgcttc

```
<210> 1980
<211> 637
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37) ... (425)
<223> similar to gi1255796 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1980 gtgcttcagt tgctgcactc cacgagegac gtggtgcggc agtacatggc caggetcatc 120 aatgettttg egteactgge agaaggtege etetacettg eecagaacae aaaggtgetg cagatgctgg agggaaggct gaaggaggag gacaaggata tcatcaccag ggagaatgtt 180 240 cttggggccc tgcagaagtt cagtctcagg cgcccgctgc agacagcgat gattcaagac ggcctcatct totggctggt tgatgttotg aaggaccotg actgcctgto tgactacacg 300 ctggagtact cggtggcttt gctcatgaac ctctgcctcc gcagcacagg gaagaacatg 360 tgtgccaagg tggcaggcct cgtgctcaaa gtcctttcgg atcttcttgg ccatgaaaac 420 catgaggtac tcattcagca ctgctggccc tgggctcggg gaggctacac tggggaccca 480 atgcctgtga ccccacaggc acacagctgg cccaggatgg ttgctgtatt tgaaaactgt 540 acatgitete igteetietg ggattiteat aageaactgg aaateittia taattittag 600 637 aattttggaa gtcagaagca ggatgttctt tccgtcc

```
<210> 1981
<211> 872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(736)
<223> similar to gi5524741 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1981
gegggggaat tecaegteae tggatetgag etggaataae ttecaeacaa ggggagetgt
                                                                       60
                                                                      120
ggccttgtgc aatggtctcc ggggtaatgt gaccctgaca aagctggatc tctccatgaa
                                                                      180
tggctttggg aatgaggtgg ctctggccct aggggaagtc ctccgactca accgctgcct
ggtctacctg gatateggtg gcaatgacat eggcaatgaa ggggcctcca aaatcagcaa
                                                                      240
aggactggaa tocaatgaaa gootcagagt totgaagott ttootgaato coataaatat
                                                                      300
ggatggggct attttactta tcctggctat caagaggaac cccaaatcca ggatggaaga
                                                                      360
                                                                      420
gcttgatatt tccaacgtgc tggtgtccga gcagttcatg aaaacgttgg acggagtgta
tgccgttcac ccgcagctgg acgtggtatt caaggcagta caaggcctct ctcccaagaa
                                                                      480
aaccatette tigitgacaa acceeatgaa actgateeag agetatgeag accaacacaa
                                                                      540
```

```
aatcacgatc gtggacttct tcaagagctt gaaccctact gggacaatga agatgtctgt 600, ggatgagttc cagaaagcga tgatagagca aaacaaggtc cccctgaacc agtaccaggt 660 cagggaggtg ataaagaagc tcgatgagaa gacaggcatg gtgaacttca gtttcttgaa 720 cacgatgaag ccatagcaac aagtctggtc tagaaagaag tctcggcgag aggagtcctc 780 gcaagtcgga tggtggcag gaggagagca agaggtggct gaaatctcga tggacagatc ctgtggcagg ggctgggcac aagcaaataa ag 872
```

```
<210> 1982
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (621)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (24) ... (620)
<223> similar to gill27843 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1982
                                                                       60
attggagact tgtagaccgt gcggtggaat tccatgaaaa aattcatgga ggaggaaaaa
                                                                      120
cctttgattt taaagaatgt gggcaggttt tgaaccccaa aatatcccat aatgaacaac
agagaattcc ttttgaagag agtcaatata aatgtagtga aacctctcat agttcctccc
                                                                      180
                                                                      240
ttactcaaaa catgagaaat aattctgaag agaaaccttt tgaatgtaat cagtgtggga
                                                                      300
aatcettcag etggageteg catettgttg cacateagag aacteacaca ggggagaaac
                                                                      360
cttatgaatg tagtgaatgt ggaaaatcct tcagccggag ctcgcacctt gtttcccatc
agagaactca tactggagag aaaccttaca ggtgtaatca atgtgggaaa tcctttagcc
                                                                      420
                                                                      480
agagttatgt ccttgttgtg catcaaagaa ctcatactgg ggagaagcct tatgaatgca
atcaatgtgg aaagtcattc aggcagagct ataaacttat tgcacatcaa agaacacata
                                                                      540
                                                                      600
ccggagagaa gccctatgaa tgtaatcaat gtgggaaatc atttatccag agctataaac
                                                                      620
ttattgcaca tcanagaatg
```

```
<210> 1983
<211> 1571
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (2)...(1117)
<223> similar to gi4468913 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1983
                                                                       60
cagttgcgat gaatcgctgg tagacattac cgaaatcctt gcagagacca tacttactcc
                                                                      120
tgatgaattt gcaaatgctg ttcgtatgga aatcaaagac cagacgaaat gtgctgcctc
                                                                      180
tgatggaatt ggttctaata ttctcctggc tagaatggca actagaaaag caaaaccaga
tgggcagtac cacctaaaac cagaagaagt agatgatttt atcagaggcc agctagtgac
                                                                      240
caatctacca ggagttggac attcaatgga atctaagttg gcatctttgg caattaaaac
                                                                      300
ttgtggagac ttgcagtata tgaccatggc aaaactccaa aaagaatttg gtcccaaaac
                                                                      360
aggtcagatg ctttataggt tctgccgtgg cttggatgat agaccagttc gaactgaaaa
                                                                      420
ggaaagaaaa totgtttcag otgagatcaa otatggaata aggtttacto agccaaaaga
                                                                      480
ggcagaagct tttcttctga gtctttcaga agaaattcaa agaagactag aagccactgg
                                                                      540
                                                                      600
catgaagggt aaacgtctaa ctctcaaaat catggtacga aagcctgggg ctcctgtaga
                                                                      660
aactgcaaaa tttggaggcc atggaatttg tgataacatt gccaggactg taactcttga
                                                                      720
ccaggcaaca gataatgcaa aaataattgg aaaggcgatg ctaaacatgt ttcatacaat
                                                                      780
gaaactaaat atatcagata tgagaggggt tgggattcac gtgaatcagt tggttccaac
taatctgaac cettecacat gteccagteg eccateagtt cagteaagee aettteetag
                                                                      840
                                                                      900
tgggtcatac tetgteegtg atgtetteea agtteagaaa getaagaaat eeacegaaga
                                                                      960
ggagcacaaa gaagtatttc gggctgctgt ggatctggaa atatcatctg cttctagaac
                                                                     1020
ttgcactttc ttgccacctt ttcctgcaca tctgccgacc agtcctgata ctaacaaggc
                                                                     1080
tgagtettea gggaaatgga atggtetaca tacteetgte agtgtgeagt egagaettaa
                                                                     1140
cctgagtata gaggtecegt cacetteeca ggtacatttt tgtagteeta aatataagta
                                                                     1200
cattttatac tectaaatat aaatacaaaa atacaagttt acaaatgaaa atggcatttt
tatttcttca tctgtttaac caagaaaggg agaacgggcc acttgtttgg gtagatcatg
                                                                     1260
                                                                     1320
atgttggatt ctaaataagc aatatttggg ttgagtgaaa gtgcttttgc aaagatttgc
                                                                     1380
cactettgea agttgtaaag catagetgaa aggeagteet eetgtggaet geeattgtet
                                                                     1440
gtgacagtgg tcatcatgca gacttactgt attcagcaag gcagctttgg tgattagtgg
                                                                     1500
tgaagtagag gccttatgtc gaagggtttt tgcagtattt gcaaacaggt ctctggagat
                                                                     1560
ttggatggtt taattcagcg tgtgtgggct gtacatgtga tatactgctg gtccttgaaa
                                                                     1571
gtaaggtagc a
```

```
<210> 1984
<211> 1174
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(1031)
<223> similar to gi2072792 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1984

ggaattcgca ctgtcaagaa tgagttctcc ctcaagacct tcaagaggaa gtccgaggtg 60
gatcgtgctg tcaagaggat gcggcatctg tccacgggca ccatgaccgg gctggccatc
cagtatgccc tgaacatcgc attctcagaa gcagaggggg cccggccct gaggcagaat 180
gtgccacggg tcataatgat cgtgacagat gggagacctc aggactccgt ggccgaggtg 240
gctgctaagg cacgggacac gggcatccta atctttgcca ttggtgtggg ccaggtagac 300
```

```
360
ttcaacacct tgaagtccat tgggagtgag ccccatgagg accatgtctt ccttgtggcc
aatttcagcc agattgagac gctgacctcc gtgttccaga agaagttgtg cacggcccac
                                                                      420
atgtgcagca ccctggagca taactgtgcc cacttctgca tcaacatccc tggctcatac
                                                                      480
                                                                      540
gtctgcaggt gcaaacaagg ctacattctc aactcggatc agacgacttg cagaatccag
                                                                      600
gatctgtgtg ccatggagga ccacaactgt gagcagctct gtgtgaatgt gccgggctcc
ttcgtctgcc agtgctacag tggctacgcc ctggctgagg atgggaagag gtgtgtggct
                                                                      660
                                                                      720
qtqqactact qtgcctcaaa aaaccacgga tgtgaacatg agtgtgtaaa tgctgatggc
                                                                      780
tectacettt gecagtgeca tgaaggattt getettaace cagataaaaa aacgtgeaca
aagatagact actgtgcctc atctaatcac ggatgtcagc acgagtgtgt taacacagat
                                                                      840
                                                                      900
qattectatt eetgecaetg eetgaaagge tttaceetga atccagataa gaaaacetge
agaaggatca actactgtgc actgaacaaa ccgggctgtg agcatgagtg cgtcaacatg
                                                                      960
                                                                     1020
gaggagaget actactgeeg etgecacegt ggetacaete tggaceceaa tggcaaaace
tgcagccgtg agtgtaccct aggggtgggg tgctgatgga aggtggggtc cactcatggg
                                                                     1080
                                                                     1140
ggcgggcggg ttcactagca accagttatt tctggagccc accgggtttc ctgatggtct
ggcaggtgta tccttcctta tcctcagttt catt
                                                                     1174
```

```
<210> 1985
<211> 1051
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(1054)
<223> similar to gi4558637 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1985
                                                                       60
gagaccttgt cttaaaaaaa taaaatgctg tcagaataaa aagcagtcaa cagaaatgaa
                                                                      120
accettataa gagacaaata aatgtgggea attattttet geaaaatgee etecaageee
                                                                      180
ctgggcgcca ttgccttctg taataggaca tcacctgaac aggctttctg ggctggagcc
                                                                      240
aaggaccete cetgactece acetecettt etgeettgta eeccagecag gtggaagaga
ccggagtggt gctgtccctg gagcaaacgg agcaacactc tcgcagaccc attcagcggg
                                                                      300
                                                                      360
gegeeecte teagaaggae acceetaace etggggaeag cettgaeace cetggeeece
                                                                      420
ggatectige ettectgeae eegeetteee tgagegagge tgeeetggee getgaeeeee
                                                                      480
geogtttetg cageeetgae eteegtegee teetgggaee cateetggat ggggetteag
                                                                      540
tagcagccac teccagcace eegetggeea caeggeacee ceaaagteet ettteggetg
                                                                      600
atctcccaga tgaactacct gtgggcaccg agaatgtgca cagactcttc acctccggga
                                                                      660
aagacactga ggcagtggag acagatttag atatagctca ggatgctgat gctctggatt
                                                                      720
tggagatgct ggcccctac atctccatgg atgatgactt ccagctcaac gccagcgagc
                                                                      780
agetacecag ggeetaceae agacetetgg gggetgteee eeggeeeegt geteggaget
                                                                      840
tecatggeet gteaceteea geeettgage eeteeetget acceegetgg gggagtgace
                                                                      900
cccggctgag ctgctccagc ccttccagag gggacccctc agcatcctct cccatggctg
                                                                      960
gggcteggaa gaggaccetg geccagaget caaaggaega ggaegaggga gtggagetge
tgggagtgag acctcccaaa aggtccccca gcccagaaca cgaaaacttt ctgctctttc
                                                                     1020
                                                                     1051
ctctcagcct gagtttcctt ctgacaggag g
```

```
<210> 1986
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(423)
<223> similar to gi4455015 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

<400> 1986
gtgaactcca agactgtttt gatgttcatg atgcatcttg ggaagagcag atattctggg
gatggcataa tgatgtccac atatttgaca caaagacaca gacttggttt caaccagaaa
```

ttaaaggtgg agttccacca cagccacgag ccgcgcatac gtgtgcagtt cttggaaata

agggttatat ctttggcgga cgtgttctgc aaactaggat gaatgatttg cactatctaa

acctagacac ctggacttgg tctggaagga ttactattaa tggagaaagc ccaaaacatc

ggtcatggca tactttaaca cctatagctg atgataaact tttcctatgt ggtggactaa

atgcatataa tatgccatta agtgatggtt ggattcataa tgtcacaaca cattgttgga

aac

60

120

180

240

300

360

420 423

```
<210> 1987
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(455)
<223> similar to gi437444 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1987
                                                                       60
gcggtggaat tcctcacacg ggagagaaac cctatgcatg taaggaatgt ggaaaaccat
ttagtaattt ctctttcttt caaatacatg aaaggatgca cagagaagag aagccgtatg
                                                                      120
                                                                      180
aatgtaaggg ttatgggaaa acattcagtt tgcccagttt atttcataga catgaaagga
                                                                      240
ctcacactgg aggaaaaacc tatgaatgca agcagtgtgg cagatccttc aactgttcga
                                                                      300
gctcctttcg atatcatgga aggactcaca ctggagagaa accctatgaa tgcaagcaat
gtggaaaagc cttcagatct gcctcacagc ttcaaattca tggaaggact cacactggag
                                                                      360
agaaacctta tgaatgtaag cagtgtggga aagcctttgg atctgcctca caccttcaaa
                                                                      420
                                                                      452
tgcatggaag gactcacact ggagagaaac cc
```

```
<210> 1988
<211> 548
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(549)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (76)...(519)
<223> similar to gi2621106 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 1988 gttcagccag actcctgata agagaatctg gcggccttca gccataattc ccttcggaag 60 cttttgcaaa gcctcctggc cttccaagaa gatgatattg gtgcccatat gaatgtagga 120 agaacttata aaaatttaaa tagaaccaaa gaagctgaag aatcttacat gatggctaaa 180 tcactgatgc ctcaaattat tcctggtaaa aaatatgcag ccagaattgc ccctaaccac 240 ctaaatgttt atatcaatct ggctaacctg atccgagcaa atgagtcccg actggaagaa 300 qcagatcagc tgtaccgtca agcaataagc atgaggcccg acttcaagca ggcttacatt 360 agcagaggag aattgctttt aaaaatgaat aaacctctta aagcaaagga agcatatctt 420 aaagcactag agctggacag aaataatgca gatctttggt acaacttggc aattgtacat 480 attgaactta aagaaccaaa tgaagccctg tattgcggcc gctctagagg atgcaagtnn 540 548 ncgaaggc

```
<210> 1989
<211> 407
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(410)

<223> similar to gi4519270 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1989
gagagaagcg taatacacgt aaacaatttt ggaaaacctt cagttattgc cactcgtttc 60
aaacccacaa aatttetcac acaggacaca aaccatatga ttgtaaggaa tgtaggaagt 120
ccttcaattc tttgggaaac cttcaaagac acatggcagt gcagcatgga gatggacctt 180
ataaatgtaa gttgtgtggg aaagcatttt tctggcccag tttatttcgt atgcatgaaa 240
gaactcactc tggagagaaa ctatatgaat gtaagcagtg ttctaaagcc tttcattttt 300
acagttetta tctaagacat gaaagaacac gtactgggga gaaactgtat gaatgtaagc 360
agtgttctaa agccttccct gattacagtt cttgtctaag acatgaa
```

```
<210> 1990
<211> 838
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(835)
<223> similar to gill95548 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1990
cggacgcgtg ggaagtcctt tatgtttctg gaaattctgc tgaggtattc tttgtagatt
                                                                       60
atggcaataa gtotcatgta gatotacato ttttgatgga gattccctgt caatttcttg
                                                                     120
                                                                      180
aactteettt eeäggetttg gaatttaaga tttgeaaaat gagaeeatea geaaagtete
ttgtttgtgg caagcactgg agtgacgggg ccagccagtg gttcgcctct ctggtgagcg
                                                                      240
                                                                      300
gctgcaccct ccttgtgaag gtcttctctg tggtgcacag cgtcctgcac gtggatgtgt
                                                                      360
accagtacte aggggtecag gatgecatea acataagaga egtecteate cagcaggget
atgccgaget cacggaggag tectacgagt ccaagcaaag ccatgaagtt etcaagggee
                                                                      420
tettttecaa gteagtagaa aacatgacag atggetetgt gecettteee atgaaagaeg
                                                                      480
                                                                      540
acgagaaata totcatoogg attttgttag agagetttte taccaataaa etgggtacte
                                                                      600
caaactgtaa ggcagaactt cacgggcctt ttaaccctta tgaactaaag tgccatagtt
tgaccagaat atccaaattc aggtgtgttt ggattgagaa ggagagcatc aactctgtca
                                                                      660
ttatcagtga cgcccctgaa gaccttcacc agagaatgct ggttgcagct tccctttcca
                                                                      720
tcaatgcgac tggatctacg atgctgctga gagaaacctc tctgatgcct catatccctg
                                                                      780
                                                                      838
geeteeegge teteeteage atgittatteg caceggigat agagitaagg attgatea
```

```
<210> 1991
<211> 1135
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1136)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (102)...(676)
<223> similar to gi3874618 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1991
                                                                       60
ggattcgatc cccttnnnnn ntntaactga tgtncctagt ccgtgtggtg gaattcctct
                                                                      120
tggacctggt ggacaggagc tggggcggct gcaggtccct gcacagcaac gaggcattcc
ttgctcaggc aagacacatc ttgtcatctg ttgaagaatt cacagcagct caggacagct
                                                                      180
                                                                      240
ctgcgatggt gggtgaagat gtcggctccc tggctctgga gagtaagtcc ctgcaaagcc
                                                                      300
gccttgctga gcagcagcag cagcacgccc gggagatgag cgaggtgacg gcggagctgc
accacgcaca caaggagctg gatgatttga gacaacattt agataaatct ttggaagaga
                                                                      360
acagtaggtt aaaatcgctt ttgttgagta tgaaaaagga agtgaagagt gcagacactg
                                                                      420
cagocacgtt aaatttgcag atcgctggac ttcaaacaag tgtgaagagg ctgtgtggcg
                                                                      480
                                                                      540
agattgtgga actgaagcag cacctggagc actacgacaa gatccaggag ctcacgcaga
tgctgcagga gagccacagc tccctggtca gcaccaatga acacctgctg caggagctga
                                                                      6.00
gccaggtgcg ggcgcagcac agagccgagg tggagcagat gcactggagc taccaggagc
                                                                      660
                                                                      720
tcaagaagac catggccctg tttccacaca gcagcgccag ccatggaggc tgccaggcct
gctgactcct gccgagaagc tgggccaccc cttaagcttc ctggtaaagt tacattgtct
                                                                      780
                                                                      840
gcacctttgt acttctttat tgagtgtact ggctggcaag agttctctct tctgttggta
attatttagg atttttggaa tgtattcagg acctgtagct tggttttcta aagcacctcg
                                                                      900
taaaatgata tgattactcc aagcccctct gcatgttttc agacagaaca cattgacata
                                                                      960
                                                                     1020
ttttgagaca aactgactat taatcttgta tccagtatcc tgagatgaag taaatgcagt
                                                                     1080
gttttactgc ctgatgtgaa agagagctat gtatgataat taaagaaaat aattttctgt
                                                                     1135
gtaacaagca atctttattt aataaacaaa taacattgtt ttgaaaaaaa aaaaa
```

```
<210> 1992
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(571)
<223> similar to gi2317715 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1992
                                                                       60
ggaatteeet teetetgtae geeteeetge eetatgeaca geageteega gtetteeaag 👑
                                                                      120
gggccccaaa gggctatcgc aaagtgatca tttcaaccaa catcgctgaa acctccataa
ccattacagg aataaaatat gtagttgaca cgggcatggt taaagcaaag aagtataacc
                                                                      180
ctgacagtgg tcttgaggtg ttagcagtgc agcgggtatc gaagacgcag gcttggcagc
                                                                      240
                                                                      300
gcacagggag ggctggcaga gaggacagtg gcatctgcta ccggctctac acggaggacg
                                                                      360
agtttgagaa gtttgataag atgaccgtgc cagagatcca gaggtgtaac ctggccagtg
                                                                      420
tgatgcttca gcttctagca atgaaagtcc caaatgtgct cacctttgac ttcatgtcaa
agccatctcc agatcacatt caggcggcca ttgcccaact ggacctgtta ggtgctcttg
                                                                      480
aacataagga tgaccagctt accctgactc caatgggaag aaagatggca gcatttcctt
                                                                      540
                                                                      568
tagaacccaa atttgccaaa accatcct
```

```
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (98)...(655)
<223> similar to gi1055065 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 1993
ategagagee tategatgtg gggettttet tacagattgg gaaatggtgg tggggaaace
                                                                       60
gaacaattta tgtttgctct tgaaactgtt ttaggtgtgg cctgaagtca ctgatcctga
                                                                      120
gaagttcgtg tatgaagatg tggctatcgc agcatacctg ctgattctat gggaagaaga
                                                                      180
aagggctgag aggggactaa ctgccaggca gtcctttgtg gacctgggat gtggaaatgg
                                                                      240
                                                                      300
cctcctggtc cacatcctga gcagtgaggg gcatccaggc agagggattg atgtccgaag
aagaaaaatc tgggacatgt atggaccaca aactcagtta gaggaagatg caatcacacc
                                                                      360
caatgataag accettttcc etgatgttga ttggttaate ggtaaccatt etgatgaact
                                                                      420
cacaccatgg atacctgtca ttgcagccag gtcttcctac aattgccgct tctttgtcct
                                                                      480
cccctgctgc ttctttgact tcattggaag atactcccgg aggcagagta agaagactca
                                                                      540
gtaccgggaa taccttgact tcattaaaga agtgggcttc acctgtgggt ttcacgtgga
                                                                      600
cgaagactgc ctcaggattc cttcaaccac aagagtctgt ctcgttggaa aatccagaac
                                                                      660
                                                                      719
ataccettae tecatagaag etteegtgga tgaaaagagg aeteagtaca ttaagagee
```

```
<210> 1994
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(686)
<223> similar to gi3158498 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1994
                                                                       60
cgttcccggg agcgtgtctg ggtttggggg cgggagacag gctgagccgc ctgggcggcc
                                                                      120
tggcctgtac ggggcggggg aggccatggc ctcggctgag ttgcagggga agtaccagaa
                                                                      180
gctggctcag gagtactcga agcttcgggc tcagaatcag gttctgaaaa aaggtgttgt
                                                                      240
ggatgaacaa gcaaattctg cagctttaaa ggagcaactg aaaatgaagg atcagtcatt
                                                                      300
gagaaaacta caacaggaaa tggacagttt gacatttcga aatctgcagc ttgccaagag
                                                                      360
ggtagaacta cttcaagatg aactagctct aagtgaacca cgaggcaaga aaaacaagaa
                                                                      420
aagtggagaa tettettete agttgagtea agagcagaag agtgtetttg atgaagatet
                                                                      480
gcaaaagaag atagaagaga atgaacggtt gcatatacaa ttttttgaag ctgatgagca
                                                                      540
gcacaagcat gtggaagcag agctgaggag tcgactggcc actctggaga cagaagcagc
                                                                      600
ccagcaccaa gctgtggttg acggtctcac ccggaagtac atggaaacca ttgagaagct
                                                                      660
gcagaacgac aaggctaaac tagaagtgaa atctcagact ctagaaaagg aagccaagga
```

```
atgtcgactt cgaacggaag aatgtcaatt acagttaaag actcttcatg aagatttgtc 720 aggtagatta gaggaatcct tatcaatcat caatgaaaaa gtacctttta atgatacaaa 780 atatagtcag tacaacgctt tgaacgttcc actccacaat aggagacacc agctgaagat 840 gcgagatatt gctgg
```

```
<210> 1995
<211> 492
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(493)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (application of the same of the sa
```

```
<400> 1995
tggggggga gggtaggggn nnaattgaaa ttcgatgaca gtggngcaat tcccggcggc
                                                                     60
                                                                     120
gttcaggcac cctttggggc cgtcaggaac atctacaccc cgcggactgg ccaccgaatc
cggaagctag accagatcca gagcgggggc aattacgtgg ctggaggcca ggaagccttc
                                                                     180
aagaaactca attacttgga cataggagaa atcaagaaaa gaccaatgga agttgttaat
                                                                     240
acagaggtaa aaccagtaat ccatagcagg atcaacgtgt cagctcgctt tagaaaaccg
                                                                     300
cttcaggagc cgtgcactat cttcttgatt gcaaatggag acctcataaa cccagcttct
                                                                     360
cgcctcctta tccccagaaa aaccttgaat cagtgggatc atgtactaca aatggtcaca
                                                                     420
gaaaaaatca ctctgaggag cggggctgtt cacaggctct atactttaga aggaagactt
                                                                     480
                                                                     492
gttgagagtg ga
```

```
<210> 1996
<211> 1658
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (882)...(1493)
<223> similar to gi5734466 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1996
                                                                       60
tttqtatttt tttagtagaa acgaggtttc tccatattgg tcaggctggt ctcgaactcc
cgacctcagg tgatccgccc gcctcagcct cccaaagtgc tgggattaca ggcgtgagcc
                                                                      120
accgcacccg gcctgctgta ccttctttgt gcctcagttt ccctctttat tcaatggggc
                                                                      180
                                                                      240
tatettecag ggtageeteg aggetaagat etgaateeat ggeecettae tgtetgetee
tttcctctcc taaggactcc agtgggggtg actcatgtgc ttctgaggag gaaccaacct
                                                                      300
ttgaccccgg ctatgaacct gactgggctg tcatcagcac tgtgcggcca cagccctgcc
                                                                      360
                                                                      420
actcagaccc cacgagaggt gcagagccca gctgccccca gggctcctgg gccttctcag
                                                                      480
tgagtctggg ggagctaaag tccatccgcc gctccaagcc aggcctcagc tgggcctacc
                                                                      540
tggttctggt gacccagget ggaggttccc tgcccgcact gcacttccac cgcgggggca
cccgcgccct gctccgcgtc ctcagccgct acctgctgtt ggccagctcc ccgcaggact
                                                                      600
cocgceteta cettgtette coccaegaet cetetgetet etecaactee ttecaecaec
                                                                      660
tgcagctctt tgaccaggac agctccaatg tggtgtcacg cttcctccag gatccctact
                                                                      720
ccaccacctt cagcagcttc tcccgagtga ccaacttctt ccggggtgcc ctgcagccac
                                                                      780
agectgaggg agecgeetee gaeetteece egecaeeega egatgageee gageetggat
                                                                      840
                                                                      900
tcgaggtcat ttcctgtgtg gagctggggc ctcggccaac cgtggagcgg ggccctccag
ttacagagga ggagtgggca cgccacgtgg gccctgaagg tcgcctgcag caggtccctg
                                                                      960
                                                                     1020
agetgaagaa eeggatette teggggggte tgageeecag eetgeggege gaggeetgga
                                                                     1080
agttcctcct agggtacctc agctgggaag gcacagctga ggagcacaag gcccacatac
                                                                     1140
gcaagaaaac ggatgagtat ttccgcatga agctgcagtg gaaatctgtg agccctgagc
                                                                     1200
aggagcggag aaactcactt ctgcatggat accgcagcct catcgaaagg gatgtgagcc
gcactgacag gaccaacaag ttctacgagg gtcccgagaa cccggggctg ggcctgctga
                                                                     1260
                                                                     1320
acgatatect ecteacetae tgeatgtate acttegacet eggetaegte cagggeatga
gtgatettet etececeate etetaegtea tteagaacga ggtggatget ttetggtgtt
                                                                     1380
                                                                     1440
totgtggott catggagoto gtgcaaggga actttgaaga gagocaggag accacgaago
                                                                     1500
ggcaactcgg gcgactgctg ctgctcctga gggtgctgga ccccctgctc tgcgacttcc
tgggtatgtc tctcgggagg gtgggcagga gacaatgggg ccatagacct tgccagattc
                                                                     1560
                                                                     1620
tctggtagca gccacagtgg catcctggac attgggtcct gatccaaaca agagaaacat
                                                                     1658
ccccacacaa cctagaatgt agaggcagaa ttgctgtt
```

```
<210> 1997
<211> 947
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(800)
<223> similar to gi4220590 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1997
gcggtggaat tcgcgaggac gagtggtact gccctgagtg ccggaatgat gccagcgagg
                                                                       60
                                                                      120
tggtactggc gggagagcgg ctgagagaga gcaagaagaa ggcgaagatg gcctcggcca
                                                                      180
categreete acagegggae tggggcaagg gcatggcetg tgtgggcege accaaggaat
                                                                      240
gtaccategt ecegteeaac cactaeggae ceateceggg gateceegtg ggeaccatgt
                                                                      300
ggcggttccg agtccaggtc agcgagtcgg gtgtccatcg gccccacgtg gctggcatac
                                                                      360
acggccggag caacgacgga gcgtactccc tagtcctggc ggggggctat gaggatgacg
                                                                      420
tggaccatgg gaattttttc acatacacgg gtagtggtgg tcgagatctt tccggcaaca
                                                                      480
agaggacege ggaacagtet tgtgateaga aacteaceaa caccaacagg gegetggete
```

```
540
tcaactqctt tgctcccatc aatgaccaag aaggggccga ggccaaggac tggcggtcgg
ggaagccggt cagggtggtg cgcaatgtca agggtggcaa gaatagcaag tacgccccg
                                                                     600
                                                                     660
ctqaqqqcaa ccqctacqat qqcatctaca aqqttqtqaa atactqqccc qaqaaqqqqa
agtccgggtt tctcgtgtgg cgctaccttc tgcggaggga cgatgatgag cctggccctt
                                                                     720
ggacgaagga ggggaaggac cggatcaaga agctggggct gaccatgcag gtgtgtctgg
                                                                     780
                                                                     840
gatgggggat ggcactttgg gaggccaagg cggatggatc acttacgtta ggagttcaag
accagootgg ccaacatggt gaaacotcat ototactaaa aatacaaaaa ttagotgggt
                                                                     900
                                                                     947
atggtggcgg gtgcctgtaa tcccagctac tgaggtggct gaggcag
```

```
<210> 1998
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(453)
<223> similar to gi3327090 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1998
acggccgcca gcagcgggaa caggaacaga ggcggctgag ccaggaacgg gatcgcctag
                                                                     - 60
agggtcttcg ccagagactc cgcaaggccc agggacagct cgactcacag ccagaggacc
                                                                      120
aacgcgagcg gcttctgcag ggtgtgcagg agatgaggga acaactggat gtggcccaac
                                                                      180
gtgcctatga ggacctggag ttccagcaac tggagcggga gagccggcag gaggaggagg
                                                                      240
ategggacag ceetgggeee caggtgeeag acceeaaggt ceaggaacte caggeeagea
                                                                      300
                                                                      360
tggcgcagca cagacaccgg atccgggtcc tggaagagca gctcaagtca ctgggggagc
agatggcagc cgagagccgg gggttgagcc ggaagaagga ggaggccctt caggccctgt
                                                                      420
                                                                      480
cacaggaacg gagccggctg ctcgagctca attgccttca gggaacacct ggcggtgact
tototgagoo caaccoggoo otcactaago tgotgttoac coaaaagaca gaccgccago,
                                                                      540
tgettgtget ceaggatgee gtggeeeact eegetgteac ee
                                                                      582
```

```
<210> 1999
<211> 980
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (326)...(709)
<223> similar to gi202523 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 1999
agcgtgtcga attccaccta cgtggtagag aggggcggct gtgtggcggt ttgtcacatc
                                                                       60
tagatocatg tittgettee etggageege attetttag gaetacettg atttatteeg
                                                                      120
tccctgggct ggtggggccg aggagtgtcg gaggagagcc agtgctttgc gtggtcctct
                                                                      180
gaattetgee aggtageeet geteeggegt eegtgaaggg geeaggaeag tgteegeeag
                                                                      240
                                                                      300
gaggggctgt gctcccagac aggaagcagg agaggttgca gccctgttct gaccctgcca
                                                                      360
ttccgccctc tcctcacccc tgccccacag ggactgcatc gccctctgct tcctcaacag
cggcaccage tttgtggccg getttgccat ettetecate etgggettea tgteteagga
                                                                      420
gcagggggtg cccatttctg aggtggccga gtcaggccct ggcctggctt tcatcgctta
                                                                      480
                                                                      540
eccycygyct gtygtgatyc tyceettete teetetetyg geetgetytt tettetteat
ggtcgttctc ctgggactgg atagccagtt tgtgtgtgta gaaagcctgg tgacagcgct
                                                                      600
ggtggacatg taccetcacg tgttccgcaa gaagaaccgg agggaagtcc tcatcettgg
                                                                      660
                                                                      720
agtatotgto gtotocttoc ttgtggggct gatcatgcto acagaggtga gggcctggga
agcgggggaa ggctggggag gaggagccaa gtgacagctg ctacctgtca gtgaggcaga
                                                                      780
taccctggct cccggtcagg gcaggtcttc tgggcttctg gacactagga ctccctcttt
                                                                      840
tececatece aggaacgaea aagtaggeag gteeeteete tggeetttgg geatggaeea
                                                                      900
cccacctcca gggatgggtg aggagccatt tggctccaca gtaagtgaag aggtatgtgg
                                                                      960
                                                                      980
agcattggat tgggagaagc
```

```
<210> 2000
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (136)...(415)
<223> similar to gi3979818 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2000
aatgaaacta gagcatagtc cgtgcggtgg aattaaaata aatactgggg cagcagacag
                                                                       60
gggddagodt godtgtodtg aggottgttt tototogtgg gdagottoog ggdatttgtg
                                                                      120
gaggacagtg aggacgagga cggcgctggg gagggcggct ccagtttgct gcagaaacgt
                                                                      180
gccaaaacca ggcaggagaa ggcccaggag gaggccgact acatcgagtg gctgaaggga
                                                                      240
                                                                      300
cagaaagaga tteggaacee agatteeetg aaggaactga egeateteaa ggaataetgg
                                                                      .360
aacgaccctg agttggatga aggggagcgg ttcctgcggg attacatcct caacaaacgc
                                                                      420
tatgaggagg aggaagagga ggaggaagat gaagaggaaa tggaggaaga ggaggggtcc
                                                                      450
acggtccccc agtccagctg gctgtggaca
```

```
<210> 2001
<211> 601
<212> DNA
<213> Homo sapiens
```

<220>

```
<223> similar to gi1871168 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2001
                                                                       60
actqctccqc cagcaacttc tctgtggtct atactcgcta tgggaagtgt tacaccttca
                                                                      120
acgcggaccc gcggagctcg ctgcccagcc gggcaggggg catgggcagt ggcctggaga
tcatgctgga catccagcag gaggagtacc tgcccatctg gagggagaca aatgagacgt
                                                                      180
cgtttgaggc aggtattcgg gtgcagatcc acagccagga ggagccgccc tacatccacc
                                                                      240
agetggggtt eggggtgtee eeaggettee agacetttgt gteetgeeag gaacagegge
                                                                      300
                                                                      360
tgacctacct gccccagccc tggggcaact gccgcgcaga gagtgagctc agggagcctg
                                                                      420
agetteaggg ctacteggee tacagtgtgt etgeetgeeg getgegetgt gaaaaggagg
ccgtgcttca gcgctgccac tgccggatgg tgcacatgcc aggcaatgag accatctgcc
                                                                      480
                                                                      540
caccaaatat ctacatcgag tgtgcagacc acacactggg tccgtgctgc ctaccctttc
                                                                      600
ctacctctcc atcagcctct tcatgtctct gtccactctt ctcctcactg tcttggatcc
                                                                      601
     <210> 2002
     <211> 472
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (27) ... (475)
     <223> similar to gi3043568 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2002
ctcgagatac ctagtcagtg tggtggaatt cgcagaagca gttcatcaga gacgtgttgg
                                                                       60
actgtgaggc ggatgaaatg gacttctcct tcatggatat ggatgatgcg ctccggaagt
                                                                      120
                                                                      180
tccagtccca tatccgggtt cagggtgagg cccagaaagt ggagcgactc atcgaagcct
                                                                      240
tragcageg gtactgtgtc tgtaacccag coctegtgeg ccagttccgg aacccagaca
ccatcttcat ccttgctttt gccatcatcc tcctcaatac cgacatgtac agtcccagcg
                                                                      300
tcaaagctga acgaaagatg aaactagatg acttcatcaa gaacctgaga ggggttgaca
                                                                      360
atggtgaaga catccccga gacctcctgg tgggcatcta ccagcgcatc caggggcgtg
                                                                      420
aactgcggac caacgatgac catgtgtccc aggtgcaggc tgtggagcgc at
                                                                      472
```

<221> misc\_feature <222> (3)...(598)

<210> 2003 <211> 450 <212> DNA

<213> Homo sapiens

```
<221> misc_feature
     <222> (22)...(211)
     <223> similar to gi431020 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2003
ttcgagtttc actagcccag tgtgatgggc ttctccggtc gggtgaaaaa tccgggactg
                                                                       60
tgggaactge egtteggeae cacegeaege gagateeteg aagattaege eggtggtatg
                                                                      120
                                                                      180
cgtgatggtc tgaaatttaa agcctggcag ccaggcggcg cggggactga cttcctgacc
gaagcgcacc ttgatctgcc gatggaattc tgagctaaac tgctcgagac ggcgctaatg
                                                                      240
                                                                      300
tacgcctaaa actgaaacga gacaagaggc attttcttat ttacttttag taacttacaa
                                                                      360
gtgtctcata tcggcgacag tttaatttct gacggtaata attagatatt cagcgaagga
                                                                      420
aaaaacctta agaaaaaagc cataaaaacc atgaggttat tatggccgat ttgaggaggg
                                                                      450
aaagagtaag agcagtttgt taaatgtacg
     <210> 2004
     <211> 751
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (2)...(633)
     <223> similar to gi5305702 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2004
                                                                       60
cccacgggaa gggcaggtga agcaggggct gctgggggat tgctggttcc tgtgtgcctg
egeegegetg cagaagagea ggcaceteet ggaccaggte attecteegg gacageegag
                                                                      120
etgggeegae caggagtace ggggeteett cacetgtege atttggeagt ttggaegetg
                                                                      180
ggtggaggtg accacagatg accgectgee gtgeettgea gggagaetet gttteteeeg
                                                                      240
ctgccagagg gaggatgtgt tctggctccc cttactggaa aaggtctacg ccaaggtcca
                                                                      300
tgggtcctac gagcacctgt gggccgggca ggtggcggat gccctggtgg acctgaccgg
                                                                      360
eggeetggea gaaagatgga acetgaaggg egtageagga ageggaggee ageaggaeag
                                                                      420
gccaggccgc tgggagcaca ggacttgtcg gcagctgctc cacctgaagg accagtgtct
                                                                      480
gatcagctgc tgcgtgctca gccccagagc aggtgaggca cgtggccagc atgggagggc
                                                                      540
tgcagccagc gtgccccca ctgccaggcc tcaggcacac tgtagctttt tatgtgactg
                                                                      600
gctacacage cetgteagga etaagtggga agaagtaage tigtteteaa gggtggtgte
                                                                      660
etcagtttgt gacetteece tgetgteete ttecagaggg aegtggeeet teteteecet
                                                                      720
```

<220>

gaccagtect ttecaetagt gegaggeagg g

751

```
<210> 2005
    <211> 495
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (1)...(496)
     <223> n = a,t,c or g
    <220>
    <221> misc_feature
    <222> (35)...(257)
    <223> similar to gil64036 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2005 / c
accectateg tagacectag tecatgtggt ggaattegeg ggtgaacatg cegaggecat
cgctagccgg gagcaggagg tgctgcaggg ttggaaagag ctgctgtcag cctgtgagga
tgcccgcctg catgtcaget ccacagecga cgccctgcgc ttccacagec aagtccgcga
                                                                      180
cctgctctcc tggatggatg gcatcgccag ccagattggg gcagccgaca agcccaggtg
                                                                      240
                                                                      300
cccctcatcc ctcctcgggc ttcctgcctc cccctggtgg cctaccccag ccaccccag
cccattgaca gccccttct caatggaatg acaacagcca atatctgtgt gnnnnnnnn
                                                                      360
                                                                      420
nnnnnnnnn nnnnnnnnn nnnnntcqtq tgtattcaga ccccttttt aggcctgtca
ttggggactt cggtcatggg gcatcettct gtccgctgtc cttcccagnt gcctattatt
                                                                      480
                                                                      495
acceteteca tggga
     <210> 2006
     <211> 447
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (12)...(447)
     <223> similar to gi732819 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2006
ggaggaattc cttctacaat gaagctgtca attatgatac ctgcaagcag tgtacacagt
                                                                       60
                                                                      120
gcaaccatcg aagtggaagt gaactcaagc agaattgcac acctactcag gatactgtct
gcagatgtag accaggcacc caacctcggc aggacagcgg ctacaagctt ggcgttgact
                                                                      180
gtgttccctg ccctcctggc cacttttctc caggcaacaa ccaggcctgc aagccctgga
                                                                      240
                                                                      300
ccaattgtac cttatctgga aagcagaccc gccacccagc cagtgacagc ttggacgcag
                                                                      360 .
tetgtqaqqa caqaaqeete etggecacae tgetetggga gacceagege cetacattea
                                                                      420
ggccaaccac tgtccaatcc accacagtet ggcccaggac ttctgagttg ccctctccac
                                                                      447
ccaccttggt gactcctgag ggcctgg
```

```
<210> 2007
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(393)
<223> similar to gi2337774 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 2008
<211> 584
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (198)...(587)
<223> similar to gi3152662 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2008
tecegteega acetaggttg ceetteegtg tgatagggte tacaetggee agggaggggg
                                                                       60
                                                                      120
ttttggagga gaggetgete tetetteagt teeeteeeet gtteetggee acaeggatee
                                                                      180
caaaccccat gccctgagct ggtccaggcc gtgtaggcca gaccagtcaa agccacctcc
                                                                      240
aacctccgct tccaccagtg cccctggtgt ccaagatctg ccctagtgac acctacaaag
                                                                      300
tgtggaagag cggccagaac ctgagggtag acaccacact cctgggcttt gaccacatga
                                                                      360
cctggcagcg agggaaccgc agctttgtct tcaggggcca agacacaagc gccgtggtca
                                                                      420
tggagattga ccacgaccgc cgggtggtgt acacagagac tctggcactg gctgggcagg
                                                                      480
accgggaget getgetgget getgeteage ceactgagga acaggtgetg agecggetta
                                                                      540
ccgcgcccgt cgtcaccact cagcttgaca ccaagaatat ctcctttgag aggaacaaga
                                                                      584
ctggcatcct gggctggcgc actgaaaaga cggagatggt gaat
```

```
<210> 2009
     <211> 659
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (122)...(466)
     <223> similar to gi53169 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2009
aattggacca tagagatccc taggcagtgt ggtggaattc caagagccga agagccagtc
                                                                       60
ctcactgggg tgcagagggc tctttggggg cagagcgggc actgcatgga ccctgcaccc
                                                                       120
                                                                       180
tggagctgat gttcaggtca caaagctggt gaagaactac cggtcccacg aggccctgct
                                                                       240
gatgetgeee teaeggetgt tetaecacag ggaactegag gtetgtgegg accecacagt
ggtgacetee ttgetggget gggagaagtt geetaagaaa ggetteeete teatetteea
                                                                       300
tggtgtgcgg ggcagcgagg cacgggaggg aaaaagccca tcgtggttca acccggccga
                                                                       360
ggccgtccag gtcctgcgct actgctgcct cctggcccac agcatctcca gtcaggtgtc
                                                                       420
tgccagcgac attggcgtca tcacgcccta ccggaagcag gtacgccctg cccaggcacg
                                                                       480
cctggttctg tgaggtccct gcagccctgc tccttggctc ctgcagctcc acagaggcag
                                                                       540
                                                                       600
gaacaagctc cttgtgagca gcagcaggtt tttaaagggg caggaccgca cttgaatgtc
gttcaacatg agaggtcacc caactgccat ccatgggcca gttccgggca gctgccagg
                                                                       659
     <210>, 2010
     <211> 418
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (2)...(420)
     <223> similar to gi3511122 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2010
                                                                        60 -
acttgagcgt ggcgaggagc cctgggttcc cagtggaaag gacatgaccc tggccaggaa
                                                                       120
cacctacggg aggeteaact etggtteetg gagtttgaca gaggatagag atgtttetgg
                                                                       180
agaatggcca cgagetttte cagatacece acetgggatg actactageg tettecetgt
tgccgatgcc tgccacagtg taaaaagcct gcagcgacaa ccgggtgcct ccccatctca
                                                                       240
ggagagaaaa cccacggggg tgtcggtgat ctattgggag aggctcctgc taggctcgcg
                                                                       300
cagtgaccag gccagcatca gcctgcgact gacctcccca ctcaggcccc ccaagagcag
                                                                       360
```

240

300

```
<210> 2011
    <211> 650
     <212> DNA
    <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (14)...(652)
     <223> similar to gi1480005 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2011
actagtocag agtggtggaa ttcacctgac ggtgaacctc gctgcgcccc acggtcctgg
                                                                       60
cgetttette egetacatge gecageceat caaacaggag etcatetgea agtggetgge
                                                                      180
ggeogaegge acegegaece egageetetg etceaaaact tteageacea tgeacgaget
                                                                      240
ggtcacgcac gtcaccgtgg agcacgtcgg cggcccggaa caggccaacc acatttgctt
ctgggaggag tgtccgcgcc agggaaagcc cttcaaagcc aaatacaaac ttgtaaatca
                                                                      300
                                                                      360
catecgegtg cacaegggeg agaageeett ecettgteet tteeeggggt gtgggaaggt
ctttgctaga tcagaaaatc tcaaaataca caaacgaact cacacaggcg agaagccctt
                                                                      420
cagatgcgag ttcgagggct gcgagcggcg cttcgccaac agcagcgacc gtaagaagca
                                                                      480
                                                                      540
ttcgcacgtg cacactagcg acaagccata cacgtgcaag gtgcggggct gcgacaagtg
                                                                      600
ctacacgcac cccagctcgc tgcgtaagca catgaaggtg cacgggcgct cgccgccgcc
                                                                      650
cagetetgge tacgattegg ctacacegte tgecetegtg tegecetegt
     <210> 2012
     <211> 976
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (2)...(975)
     <223> similar to gi294521 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2012
cateegecae etecatgaca gecaacaegt ggetgtttte caeeggggee gattetteeg
                                                                       60
                                                                      120
catggggacc cactecegaa acageetget tteecegaga geeetggage ageagtttea
                                                                      180
gagaatectg gatgatecet caeeggeetg ecceeaegag gaacatetgg eagetetgae
```

agetgetece aggggeacgt gggcecaggt geggacatee etgaagacee aggeagegga

ggccctggag gcggtggaag gggccgcttt ctttgtgtca ctggatgctg agcccgcggg

```
gctcaccagg gaggacccgg cagcgtcgtt ggatgcctac gcccatgctc tgctggccgg
                                                                      360
                                                                      420
ccggggccat gatcgctggt ttgacaaatc cttcacccta atcgtcttct ctaacgggaa
                                                                      480
qctgggcctc agcgtggagc actcctgggc cgactgcccc atctcaggac acatgtggga
                                                                      540
gttcactctg gctacagaat gctttcagct gggctactca acagacggcc actgcaaggg
quacceggae eccacactae eccageecca geggetgeaa tgggaeette cagaecagat
                                                                      600
                                                                      660
ccactcctcc atctctctag ccctgagggg agccaagatc ttgtctgaaa atgtcgactg
                                                                      720
ccatgtcgtt ccattctccc tatttggcaa gagcttcatc cgacgctgcc acctctctt
                                                                      780
agacagette atecagateg cettgeaact ggeceaette egggacaggg gteaattetg
cctgacttat gagtcggcca tgactcgctt attcctggaa ggccggacgg agacggtgcg
                                                                      840 -
                                                                      900
gtcttgcacg agggaggcct gcaactttgt cagggccatg gaggacaaaa agaagacgga
                                                                      960
cccacagtgc ctcgccctgt tccgcgtggc agtggacaag caccaggctc tgctgaaggc
                                                                      976
agccatgagc gggcag
```

```
<210> 2013
<211> 2046
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(312)
<223> similar to gi6007859 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2013
ataaaatggt tgtctttggt ggctctttag gatcccggca aatgagcaat gatgtctggg
                                                                       60
                                                                      120
teettgacet tgageagtgg gegtggteea ageegaacat etetggeece agteeteate
ctcgaggtgg ccaatctcag attgtcatag atgatgcaac tatcttaatc ctcggagggt
                                                                      180
                                                                      240
gtggcggtcc caatgctcta ttcaaggatg cttggttgtt gcacatgcat tctggtcctt
                                                                      300
gggcctggca gccactcaag gtagaaaatg aagagcatgg ggccccagaa ctgtggtgcc
                                                                      360
atccagcttg ccgggtggga cagtgtgtgg tggtcttcag ccaggctcct agtgggagag
ccccactcag ccccagtttg aactctcgcc catcacctat cagtgccact cctccagetc
                                                                      420
                                                                      480
tegtteetga aaccegagag tacegetete agtetecagt aagaageatg gatgaagete
                                                                      540
cttgtgttaa cggccgctgg ggaacactga gacccagggc tcaaaggcag actccttcag
                                                                      600
gttcccggga agggagcctt tccccagcca gaggagacgg ctctcctatc ctcaatggtg
                                                                      660
ggagtttgtc tccaggaacg gcagctgtgg gtggctcttc tttggacagt cctgtacagg
                                                                      720
ccatatotec aagtacteca totgeteetg aaggatacga cetgaaaata ggaetttett
                                                                      780
tggcccccg acgaggatca ctaccagatc agaaagatct gagattagga tccatagatc
                                                                      840
tgaattggga tetgaaaeee getteeagta gtaateeeat ggatggeatg gacaatagga
cagttggggg aagtatgaga cacceteetg aacagacaaa tggtgtgcat accecacete
                                                                      900
                                                                      960
acgtggccag tgcccttgca ggggccgtct ccccaggtgc cctgcgtcgg agtctggaag
ccatcaaagc gatgtcctcc aaaggcccct cggcctctgc agcactaagt cctcctcttg
                                                                     1020
ggtcttctcc aggctctcct gggagccaga gtttgagcag tggagaaaca gtgcccatcc
                                                                     1080
ctegeceagg geetgeeeaa ggagatggae atteettace teceattget egeegeetgg
                                                                     1140
gccaccaccc tccacagtcc ctaaatgttg gcaaacccct ataccagagt atgaactgca
                                                                     1200
agcccatgca gatgtacgtg ctggacatta aagacaccaa ggagaagggg cgggtcaaat
                                                                     1260
                                                                     1320
ggaaagtatt taatagcagt tetgtggttg gaceteetga aaccageetg catacegtgg
tacaaggcag gggtgaactc atcatatttg gaggactcat ggacaagaaa cagaatgtga
                                                                     1380
                                                                     1440
agtactatcc aaaaacaaac gccttgtact ttgtacgagc aaagagataa tgtgttctaa
                                                                     1500
accectttee titteigigg eitttaatti ggaattitee agigigtaag eattiggaet
```

```
gagaattggg aaaacaaaat tactcccaga agccaaaact ctttaattcc caaccgaagt
                                                                     1560
                                                                     1620
cactccaggc tgggatcaaa tctccattaa gaaaaaaaat tatatataaa tatatatata
                                                                     1680
tatattatat agccaactct gttgacaaaa aaagggagag atttccatcc tggttcagat
aaagttgtgt gctgtgtttt aacaggggct gggctgcctt tttctacctt gctggtaact
                                                                     1740
aqaccaagaa gttagagaat agactaacat cagtaacttc ccaaaagaaa ctgaagagcc
                                                                     1800
ccctgtaaat ctttatgtgg ccttcttgga gttaaaaaat gaaagggcat atgtaagttg
                                                                     1860
                                                                     1920
caaaggtgga gggttttaga ctctcatgct tcaggtgctg tcggggtaaa agtaactgtt
tttccccttc tcttaaaacc acagaggacc tgtgacagct ctgcagaaat tgcagtgcct
                                                                     1980
ggccccctct tgccttttat ggctgaggaa agttacccaa caaaggattt tattccaaaa
                                                                     2040
                                                                     2046
aaaaaa
```

```
<210> 2014
<211> 743
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (298)...(717)
<223> similar to gil57409 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2014
ggaattcagg ggaaggtgtg caaagctgga agtcctgcgg ggcatgtctg tgttctgagt
                                                                       60
cagggeeetg aagagatete tetgeetttg tgggetgtge etgeeategt gggeagetge
                                                                      120
gcaaccgtet tggcceteet ggteettage etgateetgt gtaaccagtg cagggggaag
                                                                      180
                                                                      240
aaggccaaaa atcccaaaga agagaagaaa ccgaaggaga agaagaaaaa gggaagtgag
                                                                      300
aacgttgctt ttgatgaccc tgacaatatc cctccctatg gggatgacat gactgtgagg
                                                                      360
aagcagcctg aagggaaccc aaaaccagat atcattgaaa gggaaaaccc ctaccttatc
                                                                      420
tatgatgaaa ctgatattcc tcacaactca gaaaccatcc ccagcgcccc tttggcatct
                                                                      480
ccagagcagg agatagagcc ctatgacatt gacaacgcca gcagcatcgc cccttcggat
                                                                      540
gcagacatca ttcaacacta caagcagttc cgcagccaca caccaaaatt ttcaatccag
                                                                      600
aggcacagte ecctaggett tgcaaggcaa tececeatge cettaggage aageagtttg
                                                                      660
acttaccage etteatatgg teaaggtttg agaadcaget ecetaageca eteageatge
                                                                      720
ccaactccca accetetgte tegacacagt ccageceett tetecaaate ttetaegtte
                                                                      743
tatagaaaca gcccagctgt agt
```

```
<210> 2015
<211> 735
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (90)...(528)
<223> similar to gi3811376 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

```
<400> 2015
aggaaccett cgagectaag gaggagatat caggaagegg aacteageet ggaggageaa
                                                                       60
                                                                      120
aggaggaaac caaagtgttt tctggagggg acactgaagg gaatggggag ctagggttct
                                                                      180
tgttgccttc agggccaggg ccaacatctg ggggaggggg tccatcctgg aaaccagtgg
                                                                      240
atcttcatqq gaatgaaatc ctgtcagggg gtggaggacc tgggggagca ggccaggccg
                                                                      300
tqcatqqqcc tgtgaagcta ggggggacac cccctgcaga tggaaaacgc tttggttgcc
tgtgtgggaa gcggtttgca gtgaagccaa agcgtgaccg gcacatcatg ctgaccttca
                                                                      360
gccttcggcc ttttggctgt ggcatctgca acaagcgctt caagctgaag caccatctga
                                                                      420
cagageacat gaagaeceat getggageee tgeatgeetg teeceactgt ggeegteggt
                                                                      480
                                                                      540
tecqaqteca tqeetqtttt eteegeeace gggacetatg caagggeeag ggetgggeea
ctgcccactg gacttacaag tgactgctga ggctatacac tagcttctag aacaagataa
                                                                      600
ccactgctgc tgatggatac ttttccctca ctgccatggc acaccagtca tggatcttgt
                                                                      660
aatcatgcca agagaataga tacattatgg acctettgtt ettagatatg ggeeteteag
                                                                      720
                                                                      735
cctggcagat gtgga
```

```
<210> 2016
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (145)...(467)
<223> similar to gi2911858 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2016
                                                                      60
ctgaacggga ctggcccttc tgcctctccc tgctcttctt atggcccagg gagagagccc
ttgggtggga cetcagagtt tetggggeet gatggggetg gggtagaggt ggtgattgag
                                                                      120
                                                                      180
tetegggeea aegeeaaggg ggttegggag gaggaegeee tgetggagaa egggageeag
                                                                      240
agcaacgaaa gtgacgacgt cagcacagac cgtggccctg cgccaccttc cccgctcaag
                                                                      300
gagacetect tttccategg getgeaagta etgtttccat teeteetgge aggetttggg
                                                                      360
acceptagety etggeatggt gttggacate gtgeageact gggaagtett ceagaaggtg
                                                                      420
acagaggtet teatectagt geetgegetg etggggetea aagggaacet ggaaatgace
                                                                     472
ctqqcatcaa qqctttccac tgcagccaac attggacaca aggacatgta tt
```

```
<210> 2017
<211> 877
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (111)...(880)
<223> similar to gi2337952 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 2017 60 acctcacaag cggatgccgg ggcttctcct ggctgcccca gcgcccgcgg atctgtctgc 120 cgaggcgcgc ttccactccc agagtttatt cctcgttcct tcttcagtcc tgctcgtcgg aggacccggt tgccatggtg aaggaaaaag tggcccaccc tcaggaccct caccacccat 180 cagagaagcc tgtcattcac tgccataaat gtggggagcc ttgcaagggt gaagtgcttc 240 gggtccagac caaacatttc cacatcaagt gtttcacctg caaagtgtgt ggctgtgacc 300 tggcacaagg gggcttcttc ataaagaacg gagagtatct ctgcaccctg gactaccagc 360 420 ggatgtacgg gacacgctgc catggctgtg gggagtttgt ggagggcgaa gtggtgactg 480 ctctgggcaa gacctaccat cccaattgct ttgcttgtac tatctgcaag cgcccgtttc 540 cacceggaga eegagteaca tteaatggga gagaetgeet ttgteaacte tgtgeacage 600 cgatgtcgtc cagtccgaaa gaaaccacct tctccagcaa ttgtgccggc tgcggaagag 660 atatcaagaa tgggcaggcg ctgctggcgc tggataagca gtggcacttg gggtgcttta aatgcaagte etgegggaag gteeteaceg gggagtacat cagcaaggat ggtgeteegt 720 780 actgtgaaaa ggactaccag ggactctttg gggtgaaatg tgaggcgtgt caccagttta tcacagggaa agtcctggag gcaggtgaca aacattacca ccccagctgt gcacgatgca 840 877 gcagatgcaa ccagatgttc acagaaggag aggaaat

```
<210> 2018
<211> 494
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(493)
<223> similar to gi386433 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2018
cccacccca ggcaacatga actttcccag ccaaccette aaccagcete tgggtcaaaa
                                                                       60
                                                                      120
ctttagtcct cccagtgggc agatgatgcc gggcccagtg gggggatttg gtcccatgat
                                                                      180
ctcacccacc atgggacage ctcccagage agagetggge ccaccttete tgtcccaacg
atttgctcag ccaggggctc cttttggccc ttctcctctc cagagacctg gtcaggggct
                                                                      240
ccccagcctg ccgcctaaca caagtccctt tcctggtccg gaccctggct ttcctggccc
                                                                      300
tggtggtgag gatgggggga agcccttgaa tccacctgct tctactgctt ttccccagga
                                                                      360
                                                                      420
gececaetea ggeteecegg etgetgetgt taatgggaac cageecagtt teececegaa
cagcagtggg cggggtgggg gcactccaga tgccaacagc ttggcacccc ctggcaaggc
                                                                      480 7
                                                                      494
aggtgggggc tccg
```

```
<210> 2019
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(358)
<223> similar to gi5305335 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2019
cccacgcgtc cgcccacgcg tccgcccacg cgtccgcccc cagagccaag accttctcca
                                                                       60
gaaggtgacc cttcccccc accaccacca atgtcagccc tggtccccga cactcccccg
                                                                      120
gacacccctc ctgccatgaa gaatgccact agctctaagc agctcccact ggaaccagag
                                                                      180
                                                                      240
agececteag ggeaggtegg geetaggeea geeeeeege aggaagagte eeetteetet
gaagcaaaga gcagaggacc caccccacca gccatgggcc cacgggatgc cagacctcct
                                                                      300
cgaaggagca gccagccatc tccaacagca gtgccagcct ccgacagccc tcccaccaag
                                                                      360
caagaggtga agaaggcagg agagagacac aagctggcaa aggagcggcg agaagagcgg
                                                                      420
                                                                      480
gccaagtacc tggcggccaa gaaggcagtg tggctggaga aggaggagaa ggccaaggcg
                                                                      540
ctgcgggaga agcagctcca ggagcgccgc tgccggtttt agggagcaaa cgtcttaaag
                                                                      600
ccgagcaacg ccgttcaagc cttggaggaa cggctagcgg aagaagtttg tggaaaacaa
```

```
<210> 2020
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(625)
<223> similar to gi5689517 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2020
ttttcagatg gtggccagca gagatctgca accccaggtc tgtgccactg aacatccagg
                                                                       60
                                                                      120
gccttaaaca tgacttgggg gacttccctg tattcttctt tggttctcat gactactact
                                                                      180
gggtacacca gggcagagtg ttcccttatg ttgaaggaaa caaaagcttt gctgaagggc
agactagtat taacaagacc ttcaaaaagg cactggaaga agctgcaaaa cgtttccagg
                                                                      240
                                                                      300
aattgaaagc acaaagagaa agtaaagaag ccctagagat tgaaaaaaac tcaagaaaac
                                                                      360
cccctcccta caaacacatc aaagctaaca aagtaatagg aaaggtgcag atccaggttg
                                                                      420
ctgacctgtc agagattccc cgctgtaact gcaagccagc tgatgaaaac ccttgtggct
tggaatcgga gtgcctgaac agaatgttgc agtatgaatg ccacccgcag gtgtgcccag
                                                                      480
                                                                      540
ctggagatcg ttgtcagaac cagtgcttta caaagagact ataccctgat gcagagatca .
                                                                      600
tcaaaacgga gcggagaggc tggggcctca ggaccaaaag gagcattaag aagggtgaat
```

```
<210> 2021
<211> 509
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(510)
<223> similar to gi5262560 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

<400> 2021 60 ategacegee atttgacege gegetecage aattegecac gagggaaage etteaactet totaattoot gtogagtgoa tgaaagaact catattggag aaaaaccata tgaatgtaaa 120 cgatgtggca aatcattcag ttggtccatt tctcttcgat tgcatgaaag aactcatact 180 ggagagaaac cttatgagtg taaacagtgt cataaaacct tcagtttttc aagttccctt 240 cgagaacacg aaacaactca cactggagag aaaccctatg aatgtaaaca atgtggtaaa 300 360 accttcaqtt tttcaagttc ccttcaaaga catgaaagga ctcacaatgc agagaaaccc 420 tatgaatgta aacagtgtgg gaaagcette aggtgtteaa gttatttteg aatteatgaa aggtcacaca ctggagagaa accctatgaa tgtaaacagt gtggaaaagt tttcattcgt 480 509 tccagttcct ttcgactgca tgaaagaac

```
<210> 2022
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(113)
<223> similar to gi1737205 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2022
cattttaccc ggctgcagga attcggcacg agcctgcctc tacctggtct gccgtacgga 60
gggcacgccg cacatgctcc tggacctcag cgacctgctc caggtagaca gcctccgtcc
tgcatctttc cccacctggg gttgtgacct gggggttgtg accagggttg tgaccgggt 180
gtaccccagg tgcctccacg catctcagtg gccggtctgt gctgcctgcc cagtcaggaa 240
gttttggtct gtaggatgag gggccttcat gacatggggg tcacagtccg agacttgtgg
gagtgtgggt ctccatggca ggagggcacc tgccaatgct gggcacggtt gggtgttagc 360
taggcctggg tgaacagtga acttttgtcc tacacaaagg agattatttt caattaaaaa 420
```

```
<210> 2023
<211> 636
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(639)
<223> similar to gil651341 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2023
gggccgagtg tctggaggcc tctattgccc gatatgccca ccgtgtcgcc aatagccgtt
                                                                     . 60
atacctttga cggtgaaacc gtgacgcttt cgccaagtca gggcgttaac cagctgcacg
                                                                      120
gcgggccgga agggttcgac aaacgtcgct ggcagattgt gaaccagaac gatcgtcagg
                                                                      180
tgctgtttgc cctgagttca gatgatggtg atcagggctt cccgggtaat ctcggcgcga
                                                                      240 :
cggtgcaata tcgtctgacc gacgataacc gtatctccat tacttatcgc gccacagttg
                                                                      300
ataaaccttg cccggtgaat atgactaatc acgtctattt caatcttgac ggcgagcagt
                                                                      360
ctgacgtgcg caatcacaag ttgcagattc tggcggacga atatctgccg gttgatgaag
                                                                      420
                                                                      480
geggeattee geacgaegge etgaaatetg tegeeggaae gtettttgat tteegeageg
ccaaaatcat cgccagtgag tttcttgccg acgacgatca gcgcaaagtg aaaggttacg
                                                                      540
                                                                      600
atcacqcatt cttgttacag gccaaaggcg atggcaagaa agtggcggcg catgtctggt
cagcagatga aaaattgcag ctgaaggtct acacca
                                                                      636
```

```
<210> 2024
<211> 1043
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1044)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (18)...(731)
<223> similar to gi2343283 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2024

```
60
gaatteggea egagagatet caggaeteeg tgteatetee ttegecacag aageagaagt
cagcctcggc cctcacctac actgcttcct ccacatctgc caaaaaggcc tcgggccctg
                                                                     120
ccacaaggag ccctttccca cctgggaaga gcaggacttc agaccacagc ttgagtagag
                                                                     180
                                                                     240
agggctccag acaaagcttg ggttctgaca gagccagcgc cacctccacc tccaaaccca
                                                                     300
attecceteg ggtgageeag geeegageag gggaggeeggg aageaegtge
                                                                     360
qqaqctcctc catggccagc ctgcgctccc ccagcacaag catcaagtct ggtttgaaga
gggacagcaa gtctgaggac aaggggctgt ccttcttcaa atcagccttg agacagaagg
                                                                     .420
                                                                     480
aaacccggcg ctcgacggat cttggcaaga cagccttgct ctctaaaaaag gctggtggga
                                                                     540
getetgttaa gtetgtetgt aagaacaceg gggacgacga ggcagagagá ggccaccage
                                                                     600
ctccagcttc ccagcagcca aatgcaaata caacgggaaa agagcagctt gtcaccaagg
accetgette tgccaaacat tecetgetgt cegetegeaa atccaagtet teceaactag
                                                                     660
actctggagt tecetegtet eegggtggea ggeagtetge agagaaatee teaaaaaagt
                                                                     720
tatcttctag catgcaaacc tctgcacggc cttctcaaaa acctcaggga tatttctgca
                                                                     780
atcgaagtgt tttatctgta aagatgttta tttatttaga acccctgccc tcccaccaaa
                                                                     840
                                                                     900
gccttctgtg cttttgcttt gtactttttt gagtnnnnnn nnnnnnnnn nnnnnnnnn
                                                                     960
nnnnnnnnn nnnnnnnng tetaatteaa tageatattg eteaaagega egtettatte
tgccattgaa ccaaattgca gctataggca atacattgac accaacctta ctggaacatt
                                                                    1020
                                                                    1043
tgtgtacgat tcctcagacg acg
```

```
<210> 2025
<211> 690
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (132)...(291)
<223> similar to gi1665827 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2025
                                                                       60
aaagtggcag tgtttcttct gaaattctca ggcagtcaga ctgtcttagg caaatcttga
                                                                      120
taaaatagcc cttatccagg tttttatcta aggaatccca agaagactgg ggaatggaga
                                                                      180
gacagtcaag ggttatgtca gaaaaggatg agtatcagtt tcaacatcag ggagcggtgg
                                                                      240
agetgettgt etteaatttt ttgeteatee ttaceatttt gacaatetgg ttatttaaaa
                                                                      300
atcategatt ecgettettg catgaaactg gaggagcaat ggtgtatgac aageegeega
                                                                      360
aatttgccat gtcacgagag caaatgtcac agtcatgttc tcacacggca cataatgcaa
                                                                      420
gtotgttgac agatgogggt coattgtoat gtggggagto gagggogago tgtttgtttt
                                                                      480
tgtaacgatg ttgggaagtg atggctctgc agtcacaaag agcagccttc tctcactggc
                                                                      540
tgcaccgatg aacattacga agttctagaa caaacatcac ttcaaaatgc ctggagtaat
                                                                      600
tcctcttata tcaactaatt tcaagaagaa aacctgcaga aactaacccc acccctctca
acgagaatat tgtgtccacg tcctctttac ttatacgacc cgtctcttat tctcttataa
                                                                      660
                                                                      690
cacaacgtca taactaaacg agcacaacac
```

```
<210> 2026
<211> 516
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (105)...(519)
<223> similar to gi2809057 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2026
attggaccgc ctgcggaatt cggcacgaga gcggcttatc aacagaggca ttttctgctt
                                                                       60
                                                                      120
atggtaataa gacggacaac acaagagaaa agaggaccca cagaaggaca aaacgttttt
tatcctatcc acggtttgta gaagtcttgg tggtggcaga caacagaatg gtttcatacc
                                                                      180
atggagaaaa ccttcaacac tatattttaa ctttaatgtc aattgtagcc tctatctata
                                                                      240
aagacccaag tattggaaat ttaattaata ttgttattgt gaacttaatt gtgattcata
                                                                      300
                                                                      360
atgaacagga tgggccttcc atatetttta atgeteagae aacattaaaa aaettttgee
agtggcagca ttcgaagaac agtccaggtg gaatccatca tgatactgct gttctcttaa
                                                                      420
caagacagga tatctgcaga gctcacgaca aatgtgatac cttaggcctg gctgaactgg
                                                                      480
                                                                      516
quaccatttg tgatccctat agaagctgtt ctatta
```

```
<210> 2027
<211> 886
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(850)
<223> similar to gi2121234 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2027
                                                                       60
cgctcgggga ccagttctac aaggaagcca ttgagcactg ccggagttac aactcacggc
tgtgtgcaga gcgcagcgtg cgtcttccct tcctggactc acagactggg gtggcccaga
                                                                      120
acaactgcta catctggatg gagaagaggc accgaggccc aggccttgcc ccgggccagc
                                                                      180
                                                                      240
tgtatacata cectgecege tgetggegea agaagagaeg attgeaceca cetgaagate
                                                                      300
caaaactgcg gctgctggag ataaaacctg aagtggagct tcccctgaag aaggatgggt
                                                                      360
tcacctcaga gagcaccacg ctggaagcct tgctccgtgg cgagggggtt gagaagaagg
                                                                      420
tggatgccag ggaggaggaa agcatccagg aaatacagag ggttttggaa aatgatgaaa
                                                                      480
atgtagaaga agggaatgaa gaagaggatt tggaagagga tattcccaag cgaaagaaca
                                                                      540
ggactagagg acgggctcgc ggctctgcag ggggcaggag gaggcacgac gccgcctctc
aggaagacca cgacaaacct tacgtctgtg acatctgtgg caagcgctac aagaaccgac
                                                                      600
                                                                      660
cggggctcag ctaccactat gctcacactc acctggccag cgaggagggg gatgaagctc
aagaccagga gactcggtcc ccacccaacc acagaaatga gaaccacagg ccccagaaag
                                                                      720
                                                                      780
gaccggatgg aacagtcatt cccaataact actgtgactt ctgcttgggg ggctccaaca
                                                                      840
tgaacaagaa gagtgggcgg cctgaagagc tggtgtcctg cgcagactgt ggacgctctg
                                                                      886
ctcatttggg aggagaggc aggaaggaga aggaggcagc ggccgc
```

```
<210> 2028
<211> 654
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (43)...(439)
<223> similar to gi3645961 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

<400>	2028					
aatcgagacc	ctcggcattg	gcgggccatt	cttcttgcac	aacccataac	tccatcatca	60
cttggaagta	ctttcttgtg	gctggctgta	catgaggatg	gtttaagcct	cttagaatac	120
aactccatga	ggttaatagt	cagctatgtg	tacaagagtc	taatgacctt	tggaggctat	180
caagatgatt	ttatggtagt	cattaacaat	acacattcaa	aggacaaacc	aacagagaaa	240
ttactttttg	ccatggcaaa	acccaagatt	cttgaaatca	ctcttttgat	cgccagttac	300
ataaacaact	tccatcagca	aaaggcagca	tttcaccacc	tctctgctcc	agcactgctc	360
tcagcccaga	cccggggacc	ccaagccaga	atgatgggaa	gccagcctct	tctgtcaagc	420
agcagaccga	ccaaaggccc	caccttactc	tgaaagctgg	ggagcctgaa	cattcactcc	480
ttgtcctcca	tgctgtggct	gtatcagctc	cctacaagtt	cgtttacacc	tggcagcacg	540
gcagccacac	accggtattc	caaaccttaa	caatgaaggg	ggttagtctc	ttttatttga	600
ttcttaaata	ttcaaataaa	tattaacagt	aaaacataaa	caccaaaaaa	aaaa	654

```
<210> 2029
<211> 2015
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (285)...(1022)
<223> similar to gi3549261 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2029
tttcgtccac gtcctgctcc ccctggtgaa gaagctgccc tgggcttgtc gtcctagggt 60
ctccagacat gtctgaggtg aagagccgga agaagtcggg gcccaaggga gccctgctg 120
cggagcccgg gaagcggagc gagggcggga agacccccgt ggcccggagc agcggaggcg 180
ggggctgggc agacccccga acgtgcctga gcctgctgtc gctggggacg tgcctgggcc 240
tggcctggtt tgtatttcag cagtcagaaa aatttgcaaa ggtggaaaac caataccagt 300
tactgaaact agaaaccaat gaattccaac aacttcaaag taaaatcagt ttaatttcag
```

```
aaaagettga gtetactgaa ageateetge aggaagetae ateateeatg tetttgatga
                                                                      420
cccagtttga gcaggaagta tccaacctcc aagatatcat gcatgacatt caaaataatg
                                                                      480
aagaggtgct cactcaaagg atgcaaagcc ttaatgagaa atttcagaat attacggatt
                                                                      540
tctggaagag aagcctagaa gaaatgaaca ttaatacaga cattttcaaa tcagaagcaa
                                                                      600
aacatataca ttctcaagta actgtccaaa ttaactcagc tgagcaggaa ataaaattgc
                                                                      660
                                                                      720
tcactgaacg gctaaaagat ttggaagata gcacactaag aaatattaga acagtaaaaa
gacaagaaga agaagatete etgegagtag aggageaget aggetetgat acaaaggeaa
                                                                      780
                                                                      840
ttgaaaagtt agaagaggaa cagcatgccc tctttgccag agatgaagat ctgactaata
                                                                      900
aactttccga ctacgaaccc aaagttgaag aatgcaagac acatttgcca acaattgaaa
gtgctattca ctctgttctc agagtctctc aggatctgat agaaacagaa aagaaaatgg
                                                                      960
aagacttgac tatgcagatg tttaatatgg aagatgatat gctgaaagca gtgtctgaaa
                                                                     1020
taatggagat gcagaaaacc cttgaaggat tttttttatg ataatagcat attaaagatg
                                                                     1080
caaaatqaac tggatattct aaaagaaaaa gttcatgatt ttatagcata ctcaagtaca
                                                                     1140
                                                                     1200
ggagaaaagg gaactttaaa agaatataat atagaaaata aaggaattgg tggtgatttt
taaattcatg acatttattc tgatgaacca tatcattata cataaattga ttagtccatt
                                                                     1260
gattttgagt tactttgata cgcctcatct tatcctacat tattggaaaa taaatgagat
                                                                     1320
gtccacacaa atggattatc cacataatca aagcttatct ttttaagcac taaaacttac
                                                                     1380
ttcattgtaa ctatttgaaa tagaaatagt tctttaaaaa tatttctcta cttttaaaac
                                                                     1440
aagatactta atatttttaa tgttttttaa agcattaatg gacatcatca ttaatttcac
                                                                     1500
ctattatatt gtacccacat atattgatgt ctccaggggc taataaagag tatttaccac
                                                                     1560
ttcactaaat gaccccaatt tgccattttc aaacctatgt ctcatacctt ttctgtcacc
                                                                     1620
tgaacttact gtcaggttgg ttggtaatgt gcctgcctca gccagttcac tttcttaggt
                                                                     1680
                                                                     1740
aattcactgc aggttaagaa tccaćacaac caagttcatg ggaattttgt gtaaaataaa
                                                                     1800
agataacatg cctgagggag agcctggtgc ctttgctatg aattaatatg cactttctga
aaactctaaa gcctgggaaa cattttagtt tttgttaagg ttctaaactg tgttacagat
                                                                     1860
acttgtaaga cttttaaaat cagagtaagt atgttcttac ataaggcctt tcttaggaat
                                                                     1,920
tatgtgtata taaatctttg aaatatcttt atatacctga gttttaggtt ccaactgtgt
                                                                     1980
                                                                     2015
tagacatgag tttgctagat ccatggtctc tagat
```

```
<210> 2030
<211> 629
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (294)...(632)
<223> similar to gi3694664 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2030
                                                                       60
aatcaaccat agtgagtttt gtccttaagt ccttggtgat tcactgaaaa cagacacgtg
                                                                      120
tttccctgaa ggttagtgtt tcctggcatc gtgtttgttt tgttgttgtc tcagagggag
                                                                      180
aaactgagaa aaaagatgat ggaatatact agatgccgaa gaaacattct gatgaggagc
cagataaaac ttgaattgga atggatgcgt gttcttaacc gggctccatt atcaatgacc
                                                                      240
                                                                      300
tttcataact ttaagaataa gaatgttett etetetgaaa etgtgatgtt getetteagg
                                                                      360
agtettaceg ccagataatg aagatgegae egaaagaett gaaaaaaegg etgatggtga
                                                                      420
aattccgtgg ggaagaaggt ttggattacg gtggtgtggc cagggagtgg ctttacttgc
                                                                      480
tgtgccatga aatgctgaat ccttattacg ggctcttcca gtattctacg gacaatattt
                                                                      540
acatgttgca aataaatccg gattcttcaa tcaaccccga ccacttgtct tatttccact
```

```
<210> 2031
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(725)
<223> similar to gi488555 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2031 atcgagacca gggtcagtgt ggtggaattc ccgggctgag ccagcatcgc cgcacgcaca 60 geggegagaa geegtaeege tgeecegaet gegggaagte etteageeae ggtgeeaeee 120 180 tggctcagca ccgtggcatc cacactgggg cgcggccgta ccagtgcgcg gcctgcggca 240 aggeettegg etggegetee aegetgetga aacategeag eageeacage ggggagaage 300 cgcaccactg cccggtgtgt ggcaaggcct tcgggcacgg ctcgctcctg gcacagcacc tgcgcacgca cggcgcccg cggccccaca agtgcccggt gtgcgccaag ggcttcggcc 360 agggctctgc gctgctcaaa cacctgcgca cgcacacggg cgagcggccc tacccgtgtc 420 480 cgcagtgcgg caaggccttc gggcagagct cggcgctgct gcagcaccag cgcacacaca 540 cggccgagcg cccctaccgc tgcccccact gcggcaaagc cttcgggcag agctccaact 600 tgcaacacca cctgcgcatc cacacgggcg agcggcccta cgcctgcccg cactgctcca aggeettegg ceagagètea gegetgetee ageacetgea egtgeatteg ggegagegte 660 cetategetg teagetetge gggagggeet teggeeagge etecageete accaageaca 720 722

```
<210> 2032
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (360)...(518)
<223> similar to gi535518 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2032
aggggggacc cacgcgtgcg gccagttgta caggaactgc caaaggctac agaaattctt
tctccctatg tcccagccta ccccacttt agcgaggcca acagccgcct cagaaaccag. 120
```

```
attcaggage taacatgee caggteteae gaggateaga gacteeagag gecagggaag 180 gagateaagg tagteaageg ggggtegtet cagatetggt tgtgetegag etatgeaaat 240 geeteteaeg gagatgegag gacetateta ttatgatgae cagggeeaea teeggagggg 300 geaacagaet tteatetate ageeetttte aaceaetgat etaetaaaet ggaaacaete 360 tgaaecetge catettgete etggtateag agageeetgt egtgeataae tgtgtagaag 420 tgttggaete agtttaetee ageagaeetg ateteeggga ecaageettg geateagtag 480 aetggaaget atatgtggae aggageaget teateaaeee acaaggg 527
```

```
<210> 2033
<211> 495
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (133)...(442)
<223> similar to gi896065 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2033
                                                                       60
ggggattgag accttacgtc gtccactatc catgtggtgg aattccaaga acttctcttc
                                                                      120
ccegaataaa tcageggggg actetttgaa getgeacatt etgatteage aggeetgaga
ttctacattt gtatgtcttc tcagaaacaa tcggcctgga aggttatatt taaaaagaaa
                                                                      180
                                                                      240
gtttctcttt tgaatattgc cacaagaata atgggtggtc agaaatctgg aacagagtat
cctgagaatc tgcccaccat gaaggctaca gttgaaaata aagattctgt tctgaataca
                                                                      300
                                                                      360
gccaccaaaa tgaaggatgt acaaacatcc acaccagaag aacaagactt agaaatggca
tcagagggag agcaaaagag gcttgaagaa tatgaaaata accagccaca gcaactggat
                                                                      420
                                                                      480
gatgctcgca acaaagctga caatcaagaa aaggcaatac ttaatattca agccagatgt
                                                                      495
gatgctagag tacaa
```

```
<210> 2034
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (166)...(558)
<223> similar to gi3116439 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2034
categatgac ettactcagt gtggtggaat tecaggttea aageetgaga ceaaagaget 60

```
gcaggatttg aatccatatt tccaggggta actattaata aaaatgtagc ttggataaat
                                                                      120
                                                                      180
tacatctatt ataaccagca gtggtttatt aattacacca gggatgctat caaaggaata
qctqaccaat tagggcctac tagccaaatg gcttgggaaa acagaatggc cctagacatg
                                                                      240
atattagcca aaaaaggtgg agtttgtgtt atgatcaaaa ctcaatgttg taccttcatc
                                                                      300
ccaaacaata ctgcccctag tgggagcata acaagggcct tacaaggcct tactgcttta
                                                                      360
tccaatgaat tagctaaaaa ttctggagtc aatgaccctt tttcaggatg gctagaaagg
                                                                      420
tggtttggta aatggaaagg aatcatagcc tcaattctta cttctcttgc agccgtaata
                                                                      480
ggtgtagcca ttcttttgg gtgttgtgtc acaccatgta tccgtgggct agtacagagg
                                                                      540
                                                                      593
cttatagaaa cagtacttac taaaacctcc cttagctctc ctccacctta tta
```

```
<210> 2035
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (324)...(451)
<223> similar to gil469866 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2035
ggcttttttc tataaatgtt actccgtagc taataaatgt ggctagtgga tgtcttttga
                                                                       60
gtgctggggc cccagctaga gctgcccctc ctgtctgggg cagacgccgt gaggagcccc
                                                                      120
acgctcggcc caggtggcgc gagctagtgt ttggccccaa, aaactgactg ctgagagcca
                                                                      180
gagatacgaa tgaaatgata aatcctgagg tttatttcac atggagtgtt taaagagcag
                                                                      240
aaggaagtgc gtgataagtg ccctttcgcg gtgagcacgc gagtctcatg ttctctgccc
                                                                      300
ttcccgctct gtgcccttgg cagctcccct cccacccggt cactccgtcc agcaagcacg
                                                                      360
cagacagcaa gcccgcgccg ctgacgcccg cctaccacac gcagccccac caccgaattc
                                                                      420
                                                                      448
caccgcactg gtcgagtggt cattcaag
```

```
<210> 2036
<211> 1103
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(1100)

<223> similar to gi295941 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2036

```
60
ggaattcagc caatcaagag attggccacc tccaagatat ggtaaggaaa agtgaacaag
                                                                      120
gtottggoto tgcagaagga ottattgota gtottcagga otcocaggaa aggottcaga
                                                                      180
atgagettga ettgaetaaa gaeageetaa aggagaeeaa ggatgeteta ttaaatgtgg
                                                                      240
agggtgagct agaacaagaa aggcaacagc atgaagaaac aattgctgcc atgaaagaag
aaqaqaaqct caaagtggac aaaatggccc atgacttaga aattaagtgg actgaaaatc
                                                                      300
                                                                      360
ttagacaaga gtgttctaaa cttcgtgaag agttaaggct tcaacatgaa gaggataaga
                                                                      420
agtcagcaat gtctcaactt ttgcagttga aagatcgaga gaaaaatgca gcaagagatt
                                                                      480
catggcagaa gaaagtagaa gatctcttaa accagatttc cttgctgaaa cagaatctgg
agatacaget tteccagtet cagaettett tgeaacaaet geaageecag tttacgeaag
                                                                      .540
aacgacagcg gcttacgcaa gagcttgaag aattagagga gcaacatcag caaagacaca
                                                                      600
aatcattaaa agaagcacat gtccttgcat ttcaaactat ggaagaggaa aaggaaaagg
                                                                      660
agcaaagagc tettgaaaat catttacaac agaagcatte tgcagagett caatcactaa
                                                                      720
aagatgcaca cagagagtca atggagggct tccggataga aatggaacag gaacttcaga
                                                                      780
ctcttcggtt tgaattagaa gatgaaggaa aggctatgct tgcttccttg cgctcagaac
                                                                      840
tcaaccatca acatgcagct gcaattgatt tgttacggca taatcatcat caagaattgg
                                                                      900
cagctgctaa aatggaatta gagagaagca tagacatcag cagaagacag agtaaggagc
                                                                      960
                                                                     1020
acatatgtag aattacagat ctacaagagg aattaagaca cagagagcat cacatctctg
                                                                     1080
aattggataa ggaggttcag cacettcatg agaatataag tgeeetaace aaagaactgg
                                                                     1103
aatttaaggg gaaagaaatt ctc
```

```
<210> 2037
<211> 731
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (92)...(367)
<223> similar to gi2224551 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2037
                                                                       60
atttcgtggc tgaggcggcg tcatgtcctc cgaggtgtcc gcgcgccgcg acgccaagaa
                                                                      120
getggtgege teecegageg geetgegeat ggtgeeegaa caeegegeet teggaageee
                                                                      180
gttcggcctg gaggagccgc agtgggtccc ggacaaggag tgtcggagat gtatgcagtg
                                                                      240
tgacgccaag tttgactttc tcaccagaaa gcaccactgt cgccgctgcg ggaagtgctt
ctgcgacagg tgctgcagcc agaaggtgcc gctgcggcgc atgtgctttg tggaccccgt
                                                                      300
                                                                      360
geggeagtge geggagtgeg ceetggtgte ceteaaggag geggagttet acgacaagca
                                                                      420
getcaaagtg etectgageg gtaaggaegg gtgteetgea eagteeegeg egeteegeea
geoggeteet egtgtetgtg gegatgetgt gggetgtgca eggggegtte tgettetetg
                                                                      480
                                                                      540
acgttetete gecetecete cetteceegt ttteftetgg attegtttag aageggttat
agageettee ettetttea gaggeggaat gtegtetaaa atgttggtge tgacteeget
                                                                      600
                                                                      660
gggcacgtcc atcaggtggg aggggaggcc ctgggcccag gcagcacctt cctccttccc
                                                                      720
ccgggaggaa cccggcgccg gcgctcgggc gtttgcaacc actgtggctc ctcggagggg
                                                                      731
ccggagacct t
```

```
<210> 2038
     <211> 433
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (3)...(436)
     <223> similar to gi4586836 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2038
gtgactccaa ggaaccaaga ctgcagcagc tgggcctcct ggaggaggaa cagctgagag
                                                                       60
                                                                      120
gccttggatt ccgacagact cgaggataca agagcttagc agggtgtett ggccatggte
                                                                      180
ccctggtgct gcaactcctc tccttcacgc tcttggctgg gctccttgtc caagtgtcca
                                                                      240
aggtccccag ctccataagt caggaacaat ccaggcaaga cgcgatctac cagaacctga
                                                                      300
cccagcttaa agctgcagtg ggtgagctct cagagaaatc caagctgcag gagatctacc
                                                                      360
aggagetgae ecagetgaag getgeagtgg gtgagettee agagaaatet aagetgeagg
                                                                      420
agatetacea ggagetgace tggetgaagg etgeagtggg tgagetteea gagaaateta
                                                                      433
agatgcagga gag
     <210> 2039
     <211> 738
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
    <222> (187) ... (727)
     <223> similar to gi1934852 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2039
ccaaacctga caacacaaca taggagctgc taatttgagg ttctacccat tcaaaagcaa
                                                                       60
                                                                      120
atacttacaa aatacctggg agacagtgag aacagacaat gcagtgtcac cttgcatcct
                                                                      180
tacatgtgat gtcctggcta caatcctgcc cgttgtcctt ggtatatgaa taacacttca
tctcagtttg tgtgcagctt ggtgtattat ggcctaactc tgagtgcggg tgatctaggt
                                                                      240
ggaagtattt atgccaacct ggccctgtct ggcctcatag agattccatc ttaccctctc
                                                                      300
                                                                      360
tgtatctact tgattaacca aaaatggttt ggtcggaagc gaacattatc agcatttctg
tgcctaggag gactggcttg tcttattgta atgtttcttc cagaaaagaa agacacaggt
                                                                       420
                                                                       480
gtgtttgcag tggtgaacag ccattccttg teettgetgg ggaagetgae catcagtget
gcctttaaca ttgtttatat ctacacctct gagctttacc ctacagtcat caggaatgtt
                                                                       540
gggcttggaa cttgttccat gttctcccga gttggtggga ttattgctcc cttcatcccc
                                                                       600
                                                                       660
tcactgaaat atgtgcaatg gtctttacca ttcattgtct tcggagccac gggtctgacc
                                                                       720
```

738

teeggeetee tgagtttgtt attgeeggag accettaaca gteeggtgtt aaaaacatte

ttcgaccttt aggtgtat

```
<210> 2040
<211> 616
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(613)
<223> similar to gi498723 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2040
                                                                       60
actttccgcg tcgacccacg ctttagatct gtatactttt cactctagag aaatcttaca
attgtacggt tigtaacaag gttttcgtgc gtaattcagt cctggctgtg catactagaa
                                                                      120
ttcacactgc aaagaaacct tacaagtgta atgaatgtgg gaaagctttt aatcaacaat
cacatettte acgteategt agaetteata etggagagaa acettacaaa tgtgaageat
                                                                      240
                                                                      3,00
gtgacaaagt ttttggtcag aaatcagctc ttgagtcaca taagagaatt catactggag
agaaaccata cagatgtcag gtttgtgaca cagctttcac gtggaattca cagctggcac
                                                                      360
gacatacaag aattcacact ggagaaaaaa cttacaagtg taatgagtgt gggaagacct
                                                                      420
                                                                      480
tcagttacaa gtcatcactt gtatggcatc gtagacttca tggtggagag aaatcttaca
aatgtaaggt ttgtgacaag gctttcgtgt gtcgttccta tgtggcaaaa catactagaa
                                                                      540
                                                                      600
ttcacagtgg aatgaaacct tacaagtgta atgagtgcag caagaccttc agtaacaggt
                                                                      616
catcccttgt atgcca
```

```
<400> 2041
gaagaagggg aaaagaggct ccaggcccct tctccaatca ctccctgcca ccctttctcc 60
tttggattcc ttggctgctt tagcaggtct tcctagaggc taactttgat ctttcttgct 120
```

```
180
gcagtttctt tttgggagag ctagtcagtc ccacagagtg gtatccctag aagggagaag
                                                                      240
taaggattgc cctcttcttt aaaatgaaag ccagctattt ttcacgccct ttaactgcag
gtctgctcta ttttcttttc tctctctgga gctgagagtc agagggccct tctcctcctc
                                                                      300
                                                                      360
ctttcagccc ccaacactaa gctgatggat tgataaatac ctcagcccct cgcctttctc
                                                                      420
aacccacctg gcaagtcttc ttaggatctg atcccagttt tctggaagca atcctacccc
                                                                      480
ageceattet teccagagte gageettaat cetteteaet teteagtgte agageagaaa
                                                                      540
tgaatcctgg ggttgactgt gtccattcgg gttattagca gctaagaagc ccagacgagt
                                                                      600
agtgtgaget geettgggag eetcagtgag ggeactggga etggeetcae tetettgeee
                                                                      660
ccagcetagt gggetttete etetgtetet eeggtggeee caggeaateg actgeateae
gcanggacgt gagttggagc ggccacgtgc ctgcccacca gaggtctacg ccatcatgcc
                                                                      720
gggctgctgg gcagcggagc cccagcaacg ccacagcatc aaggatgtgc acgcccgctg
                                                                      780
                                                                      782
```

```
<210> 2042
<211> 1134
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(1123)
<223> similar to gi508528 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2042
                                                                       60
geggeegeet eggtaeggea gageeegggg eeggegetgg egeggetgga gggeegagag
                                                                      120
ttegagttee teatgegeea geceagegte accateggee geaactegte geagggeteg
                                                                      180
gtggacttga gcatgggcct gtccagcttc atctcgcggc gccacctgca gctcagcttc
caggageege aettetaeet gegetgeete ggeaagaaeg gegtettegt ggaeggggee
                                                                      240
                                                                      300
ttecagagae geggegege egecetgeag etgeceaage agtgtacett eeggttteee
                                                                      360
ageaeggeea teaagateea gtteaetteg etetateaea aagaagagge eecageetee
                                                                      420
cegetgegge caetgtacce ceagatetee cetetgaaga tecacatece ggageeggae
                                                                      480
ctccggagca tggtcagccc cgtcccctcc ccgacgggca ccatcagtgt ccccaactcc
                                                                      540
tgcccagcca gtccacgcgg tgccggctcc tccagttacc gctttgtgca gaacgtgacc
                                                                      600
teggacetge agetggeage agagtttgea geaaaggeeg egteggagea geaggeagae
                                                                      660
acgtctggag gagacagece caaggatgag teaaageege egtteteeta egegeagetg
                                                                      720
ategtgeagg ceateteete egeceaggae eggeagetga eeetgagegg gatetaegee
cacatcacca agcattaccc ctactaccgg acggccgaca aaggctggca gaattctatc
                                                                      780
eggeacaace tetetttgaa eegttaettt ateaaagtee eaegtteeea ggaggageet
                                                                      840
gggaaggggt cettttggcg aatagaceet geetetgaag eeaagetegt ggaacaggea
                                                                      900
tteeggaaac ggaggeagag gggtgtetee tgetteegea eeceettegg geetetgtee
                                                                      960
teaaggageg etecagetté geceacacae ecegggetga tgteceetég eteeggegge
                                                                     1020
ctgcagaccc cagagtgcct gtctcgggag ggctccccca ttccacacga ccctgagttt
                                                                     1080
gggtccaagt tagcttctgt cccagagtac cggtattccc aacccacgcg tccg
                                                                     1134
```

```
<211> 714
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc feature
     <222> (16)...(418)
     <223> similar to gi533381 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2043
ttcgagaccc tatccatgag gggaattcct cacatgctgg ctttggggcc acagcagctg
                                                                       60
ctggcccagg atgaggaggg ggacacgctc cttcacctgt ttgcggctcg ggggctgcgc
                                                                      120
tgggcggcat atgctgcggc tgaggtgctc caggtgtacc ggcgtcttga cattcgtgag
                                                                      180
cataagggca agacccctct cetggtggcg getgetgcca accagcccct gattgtggag
                                                                      240
                                                                      300
gatctgttga acctgggagc agagcccaat gccgctgacc atcagggacg ttcggtcttg
cacgtggccg ctacctacgg gctcccagga gttctcttgg ctgtgcttaa ctctggggtc
                                                                      360
caggttgacc tggaagccag agacttcgag ggcctcaccc cgctccacac ggccatcctg
                                                                      420
gecettaacg ttgctatgcg ceettecgae etetgteece gggtgetgag cacacaggee
                                                                      480
                                                                      540
cgagacaggc tggattgtgt ccacatgttg ctgcaaatgg gtgctaatca caccatccag
                                                                      600
gtgagcgggg atgtgggcgg tcagaccctg ggagattgtg tggaatgggg ccacttggat
gteegggage teeaggeaaa tgetgaettt geetetteet tgetgegtge eettgaacat
                                                                      660
                                                                      714
qttacttcac ttctctgtgc cttaagggtt ttttgcttgt ttctttgtca gtta
     <210> 2044
     <211> 775
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(776)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (618)...(775)
     <223> similar to qi339878 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2044
ggcctaaatc taaaaaattg gagctaaatt tagagtagat tatgtttcac tgacatttta
                                                                        60
                                                                       120
aactatattt aaaacttact etteagtgte agttttetee tttataaaat etgtaeatta
                                                                       180
gcaacttcct tcagaggact actaaaaata tgaaataaca ttccctcggc caggaggagg
gctgagtgtg gcccctgcca tctggtgagc agcaggggtc tggggaggtc tgtgctgcac
                                                                       240
                                                                       300
acaacacagt actgtcaaca gtttgcacaa ggggtacaaa tcagaacctg tcttgcaaca
                                                                       360
cttttagttg tcaccctagt gttaggattt ggttgtattg agagctgttt gttcacattt
```

```
gaaaatgttt ttgccatgaa aagattgcct ttgtcatatt tattgcaaaa tctaaactgt 420 atgtattgat atgattcaat caaataatta tgtaagttag tgattaaaat attgtagagt 480 atactgaaaa ggatagctct caggaaggtt catctgcact ttttgcaata tgttacagat 540 tttgttgcat atggtttat ttgtctcatt caatgaactc ttgaatcaaa ccagttatgt 600 agtttcctca ttacagccca gtgagtgcaa aaacaaaacc tttaggatca agagatgttt tgccaaataa ccgtcaactt tatgagatgg tcctgacata taactttcat caacccaaga gtgnggaang tactccaagc tgccactac tttgtgaact attatatgaa tctgc 775
```

```
<210> 2045
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(421)
<223> similar to gi1552526 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## 

```
<210> 2046
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(429)
<223> similar to gil813871 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2046
gggccccgag tgcagcgagc gactcaaccc gcacgacatc cgcttgctgc tcgccgaccc 60
gccgcttatg cacaagtacg aggagttcat gctgcgccgc tacctaacct cggaccccga 120
ctgccgctgg tgcccggcc cggactgcgg ttatgctgtt attgcctatg gctgtgccag 180
```

```
ctgcccgaag ctaacttgtg agagggaagg ttgccagact gagttctgct accactgcaa 240 gcagatatgg catccaaatc agacatgcga tatggcccgt caacagaggg cccagacttt 300 acgagttcgg accaaacaca cttcaggtct cagttatggg caagaatctg gaccagatga 360 catcaagcca tgcccacgat gcagtgcata cattatcaag atgaatgatg gaagctgtaa 420 tcacatgacg
```

```
<210> 2047
<211> 1122
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) . . (1123)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1122) . . . (26)
<223> similar to gi4210989 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2047
                                                                       60
gtaattaaat ctacactatc tttactaagt ttttccatac tgtttctttg gaaatccaaa
                                                                      120
aaactacttt tttgactaaa tggatttgac ctctctgatg tttttgcaaa cgaaggcacg
                                                                      180
tagctaccaa atgcgaactc attaggggag gctggacttc taacatttcc tgaattctga
cetteteett tiggagtiga gaaactgatg tettgeaaat gatgeeeatt aaataatete
                                                                      240
                                                                      300
totgaggatt cagagaacct gtatgttttg gggcttctct ctggggagtg tagttttgat
                                                                      360
tcaaaatcag gtaacaatgg caaaacaggg tattttagat ttcgagaatc ttggagttct
ctgtcaattt cattcagttt agcaagtagc atttctctct tcagtctttc ttcttcctct
                                                                      420
ccttgcaatt tatccatatt ctgaattgga tacattccta gttggtacct tccagtttcc
                                                                      480
                                                                      540
cactotyget titettetet ticcagtaaa gatgeettit ettitigett titateaagt
                                                                      600
tettetett eccatteate etecagettt teaaceteet gttttaegae atggagttet
tcatctgtaa caaatttttc ttctctttcc ataattgggt ttagaatccc tgcttctcca
                                                                      660
                                                                      720
tgcctgtctt gcttttgaga ttgcaagtcc,aaagtaagat gtcctggttc ttcccatttg
                                                                      780
ttttcgtaac acataattgt ttctggagtt aaaggatatt cttctggctt gaagtcttcc
atggtttgta ctccttttgt acacaggtct gcaaaatcac tctggcatgc agcatttttt
                                                                      840
                                                                      900
cttaatgcaa gttctttctc tttatttgga gaggactttg gcagacgatt agaatatata
                                                                      960
ttttttatat ccagttctct ctccttttcc tttaatttgt gatatagtcg ctgtacctcc
ttttgaagaa ctttattttc atcatgagcc tcatatgccc ttttcctttc agcaagcaac
                                                                     1020
tgtcgttgga aactgttagt actcagttca aggtttttcg atagctcctt aattcttctc
                                                                     1080
                                                                     1122
teggtggaat tecacegene ggneagatgg actgaaatea at
```

```
<210> 2048
```

<sup>&</sup>lt;211> 693

<sup>&</sup>lt;212> DNA

```
<222> (2)...(695)
     <223> similar to gi2895758 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2048
ccatattgta tttgttgtgc atggcattgg gcagaaaatg gaccaaggaa gaattatcaa
                                                                       60
aaatacaget atgatgagag aagetgeaag aaaaatagaa gaaaggeatt titeeaadea
                                                                      120
tgcaacacat gttgaatttc tgcctgttga gtggcggtca aaacttactc ttgatggaga
                                                                      180
cactgttgat tccattactc ctgacaaagt acgaggttta agggatatgc tgaacagcag
                                                                      240
                                                                      300
tqcaatggac ataatgtatt atactagtcc actttataga gatgaactag ttaaaggcct
tcagcaagag ctgaatcgat tgtattccct tttctgttct cggaatccag actttgaaga
                                                                      360
aaaagggggt aaagtctcaa tagtatcaca ttccttggga tgtgtaatta cttatgacat
                                                                      420
aatgactggc tggaatccag ttcggctgta tgaacagttg ctgcaaaagg aagaagagtt
                                                                      480
geetgatgaa egatggatga getatgaaga acgacatett ettgatgaac tetatataac
                                                                      540
                                                                      600
aaaacgacgg ctgaaggaaa tagaagaacg gcttcacgga ttgaaagcat catctatgac
acaaacacct gccttaaaat ttaaggttga gaatttcttc tgtatggggt ccccattagc
                                                                      660
                                                                      693
agttttcttt gcgttgcgtg gcatccgccc agg
     <210> 2049
     <211> 677
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (193)...(678)
     <223> similar to gi4589566 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2049
aacaagttat cttcagaaaa aagaaattat gaagtaaatg cgtaccatca ggagacatgg
                                                                      120
aaaaqaaata aaaccttcaa ccttatgagg tttattttca gaactgaccc acagtacaca
                                                                      180
attgaatttg ggagacaaca gagacctaaa gtgggatgtt ttagtcaaat gatattcaaa
aaacataaat cccttcctct acataagaga aataacacaa gagagaaatc atatgagtgt
                                                                      240
                                                                      300
aaggaatata agaagggett tagaaaatat ttgcacetta etgaacatet gagagaecat
actggtgtga taccctatga atgtaatgaa tgtggaaaag catttgtagt tttccagcat
                                                                      360
tttattagac atcgaaaaat ccacactgat ttgaaaccct atgaatgcaa tggatgtgag
                                                                      420
                                                                      480
aaggeettta ggttttatte acagettatt cageatcaga taatteatae tggtatgaaa
ccctatgaat gtaagcaatg cgggaaggct tttagacgtc attctcacct tacagaacat
                                                                      540
                                                                      600
cagaaaattc atgttggctt gaaacccttt gaatgtaagg aatgtgggga aacgtttaga
                                                                      660
ttatatcgac atatgtgtct gcatcagaaa attcatcatg gtgtgaaacc ctacaaatgt
                                                                      677
```

<213> Homo sapiens

<221> misc feature

<220>

aaagaatgtg gaaaggg

```
<210> 2050
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)...(492)
<223> similar to gi3876763 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2050
agacgggaca cttaccgaag aaggcagatg cagaggacca tcactcgcca gatgtccttt
                                                                       60
                                                                      120
gatettacaa aactgetggt taccgaggae tggttcagtg acatcagtee ccagaccatg
agaagattac ttaatattgt ttctgtgaca ggacgattac tgagagccaa tcagattagt
                                                                      180
ttcaactggg acaggettge tagetggate aacettactg ageagtggee ataceggaet
                                                                      240
tcatggctca tattatattt ggaagagact gaaggtattc cagatcaaat gacattaaaa
                                                                      300
accatctacg aaagaatatc aaagaatatt ccaacaacta aggatgttga gccacttctt
                                                                      360
gaaattgatg gagatataag aaattttgaa gtgtttttgt cttcaaggac cccagttctt
                                                                      420
                                                                      480
gtggctcgag atgtaaaagt ctttttgcca tgcactgtaa acctagatcc caaactacgg
                                                                      515
gaaattattg cagatgtcgt gctgccagag agcga
```

```
<210> 2051
<211> 1208
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(1118)
<223> similar to gi1665761 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2051
tettgtttga cetgggtgtg geetaeggta ttgaetgtet getgattgat eecaecetgg
                                                                      60
ggggccgctg tgacaccttt actactttcg atgcctcggg ggagtgtggg agctgtgtca
                                                                      120
atactcccag ctgcccaagg tggagtaaac caaagggtgt gaagcagaag tgtctctaca
                                                                      180
acctgccctt caagaggaac ctggaaggct gccgggagcg gtgcagcctg gtgatacaga
                                                                      240
                                                                      300
tccccaggtg ctgcaagggc tacttcgggc gagactgtca ggcctgccct ggaggaccag
                                                                      360
atgccccgtg taataaccgg ggtgtctgcc ttgatcagta ctcggccacc ggagagtgta
                                                                      420
aatgcaacac cggcttcaat gggacggcgt gtgagatgtg ctggccgggg agattcgggc
                                                                      480
ctgattgtct gccctgtggc tgctcagacc acggacagtg cgatgatggc atcacgggct
ccgggcagtg cctctgtgaa acggggtgga caggcccctc gtgtgacact caggcagttt
                                                                      540
```

```
tgcctgcagt gtgtacgcct ccttgttctg ctcatgccac ctgtaaggag aacaacacgt
                                                                      600
gtgagtgtaa cctggattat gaaggtgacg gaatcacatg cacagttgtg gatttctgca
                                                                      660
                                                                      720
aacaqqacaa cgggggctgt gcaaaggtgg ccagatgctc ccagaagggc acgaaggtct
                                                                      780
cctqcaqctg ccagaaggga tacaaagggg acgggcacag ctgcacagag atagacccct
gtgcagacgg ccttaacgga gggtgtcacg agcacgccac ctgtaagatg acaggcccgg
                                                                      840
gcaagcacaa gtgtgagtgt aaaagtcact atgtcggaga tgggctgaac tgtgagccgg
                                                                      900
agcagotgoo cattgacogo tgottacagg acaatgggoa gtgccatgca gacgccaaat
                                                                      960
gtgtcgacct ccacttccag gataccactg ttggggtgtt ccatctacgc tccccactgg
                                                                     1020
gccagtataa gctgaccttt gacaaagcca gagaggcctg tgccaacgaa gctgcgacca
                                                                     1080
tggcaaccta caaccagctc tcctatgccc agaagacctg gtattccttt accaaggaat
                                                                     1140
aaagcetttg atgecaggae ecagaeteaa ggagaatetg aatetetget eteetgettg
                                                                     1200
                                                                     1208
ctggtcat
```

```
<210> 2052
<211> 515
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(512)
<223> similar to gi4038413 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2052
                                                                       60
qcqqtqqaat tcatcagccc atgcttgtta gtctgttaaa gaagaagaga aatgacaaca
                                                                      120
gtgaggetea getegeceae etgatacetg agetetgett tetaacaggg etgactgace
                                                                      180
aggcaacate tgatttccag etgatgaagg etgtggetga aaagacacgt etcagteett,
caggeeggea geagegeetg geeaggettg tggacaacat ceagaggaat accaatgete
                                                                      240
                                                                      300
gctttgaact agagacctgg ggactgcatt ttggaagcca gatatctctg actggccgga
                                                                      360
ttqtqccttc agaaaaaata ttaatgcaag accacatatg tcaacctgtg tctgctgctg
actggtccaa ggatattcga acttgcaaga ttttaaatgc acagtctttg aatacctggt
                                                                      420
                                                                      480
tgattttatg tagogacaga actgaatatg ttgccgagag ctttctgaac tgcttgagaa
                                                                      515
gagttgcagg ttccatggga tttaatgtgg actac
```

```
<210> 2053
<211> 421
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(424)
<223> similar to gi2827162 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2053
                                                                       60
gtagctgttt actgaacctt attagaaaac ctcatatagg tttgacagag ctggtacaaa
                                                                      120
tcatcataaa cacaacacac ctggagcaag cttgtaaata tcttgaggac tttataacta
acattacaaa tatttcccaa gaaactgttc atactacaag actttatgga ctttctactt
                                                                      180
                                                                      240
tcaaggacgc tcgacatgca gcagaaggag aaatatatac caaactgaat caaaaaattg
                                                                      300
atqaatttqt tcagcttgct gattatgact ggacaatgtc tgagccagat ggaagagcta
gtggttattt aatggacctt ataaattttt tgagaagcat ctttcaagtg tttactcatt
                                                                      360
tgcctgggaa agttgctcag acagcttgca tgtcagcctg ccagcatctg tcaacatcct
                                                                      420
                                                                      421
```

```
<210> 2054
<211> 809
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)...(810)
<223> similar to gi4567179 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2054
acattccacc aggatacaat ctttgatata caacagagtt ttcccaccaa agaaaaagca
                                                                       60
cataagcatg aaccacaaaa gaaaagttac cgaaaaaaat ctgttgaaat gaaacatagg
                                                                      120
aaagtotatg tagaaaagaa acttttgaaa tgtaatgatt gtgagaaagt cttcaaccag
                                                                      180
                                                                      240
ageteatece ttaetettea teagagaatt cataetggag agaaaceeta tgeatgtgtt
                                                                      300
gaatgtggga aaacgttcag ccagagtgca aacttggcgc aacataagag aatacatact
ggagagaaac cctatgaatg taaagaatgt aggaaagcct tcagccagaa tgcacacctg
                                                                      360
                                                                      420
gcccaacatc agagagttca tactggagag aaaccttatc agtgtaaaga atgtaaaaaa
                                                                      480
geetteagee agattgeaca cetgaeteag cateagagag tteatactgg agagagaeet
ttcgaatgta ttgaatgtgg aaaggccttt agtaatggtt catttcttgc tcagcatcag
                                                                      540
                                                                      600
agaattcata caggagagaa accttatgtg tgtaatgtgt gtgggaaagc ctttagccat
                                                                      660
cgtggatacc taattgtaca tcagagaatt catactggag agagacccta cgaatgtaag
                                                                      720
gaatgtagga aagcetteag ceagtatgea cacettgete aacateagag agtteatact
                                                                      780
ggagaaaaac cttatgaatg taaagtatgt aggaaagcct tcagccaaat tgcatacctt
                                                                      809
gatcaacatc agagggttca tactggaga
```

```
<210> 2055
<211> 625
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (381)...(622)
<223> similar to gi3878000 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2055
cgagetecaa gttgcaggee etettegeee accegetgta caacgteeeg gaggageege
                                                                       60
éteteetggg ageegaggae tegeteetgg écagecagga ggegetgegg tattacegga
                                                                      120
ggaaggtggc ccgctggaac aggcgacaca agatgtacag agagcagatg aaccttacct
                                                                      180
                                                                      240
cectggacce eccactgeag etcegacteg aggeragetg ggteragtte cacetgggta
ttaaccgcca tgggctctac tcccggtcca gccctgttgt cagcaaactt ctgcaagaca
                                                                      300
tgaggcactt tcccaccatc agtgctgatt acagtcaaga tgagaaagcc ttgctggggg
                                                                      360
                                                                      420
catgtgactg cacccagatt gtgaaaccca gtggggtcca cctcaagctg gtgctgaggt
totoggatti ogggaaggoo atgitoaaao ocatgagaca goagogagat gaggagacao
                                                                      480
                                                                      540
cagitggacti ettetactic attgactite agagacacaa igeigagate geagetitee
                                                                      600
atctggacag gattetggac tttegacggg tgeegeeaac agtggggagg atagtaaatg
                                                                      625
tcaccaagga aatcctatag gttcg
```

```
<210> 2056
<211> 744
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (25)...(745)
<223> similar to gi563129 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2056
                                                                       60
actgtagacc attagtccag tgcggtggaa ttcatcaacc gaaacaacag tgtggtacag
                                                                      120
gtoctgottg ctgotggggc tgatocaaac cttggagatg atttcagcag tgtttacaag
                                                                      180
actgccaagg aacagggaat ccattetttg gaagteetga teaccegaga ggatgaette
aacaacagge tgaacaaceg egecagttte aagggetgea eggeettgea etatgetgtt
                                                                      240
                                                                      300 -
cttgctgatg actaccgcac tgtcaaggag ctgcttgatg gaggagccaa ccccctgcag
                                                                      360
aggaatgada tgggacacac accettggat tatgecegag aaggggaagt gatgaagett
                                                                      420
ctgaggactt ctgaagccaa gtaccaagag aagcagcgga agcgtgaggc tgaggagcgg
                                                                      480
egecgettee ecetggagea gegactaaag gageacatea ttggecagga gagegecate
                                                                      540
gccacagtgg gtgctgcgat ccggaggaag gagaatggct ggtacgatga aaaacaccct
ctggtcttcc tcttcttggg atcatctgga ataggaaaaa cagagctggc caagcagaca
                                                                      600
gccaaatata tgcacaaaga tgctaaaaag ggcttcatca ggctggacat gtccgagttc
                                                                      660
                                                                      720
caggagcgac acgaggtggc caagtttatt gggtctccac caggctacgt tggccatgag
                                                                      744
gagggtggcc agctgaccaa gaag
```

```
<210> 2057
<211> 1688
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (1689)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1121) ... (1249)
<223> similar to gi3287188 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
tttttttttt ttaaaatttc tcgaatttta ttatacttaa atgaactcaa gtacaagaaa
                                                                       60
caaagttaaa aatatgtaag tataataaaa tatgtgcgcc ataattaaat gatattgtga
                                                                       120
taagaaagaa aaaacctgga aatgttttac agaggttttt catttgatat cttaccatag
                                                                       180
                                                                       240
cagtagcaaa gagcttatta ggctaatgtt caaaaacaca tttccttacc ataatattga
tgccagcaaa attggtgcta cagctacatg aatgaatgtt ttgctcagtt ttttctggtt
                                                                       300
                                                                       360
tacaaagaaa caccaagcaa ctgacctgca aagggggacc cgaagtagac cccaggccca
gaccagttgt tgctttaatt tcccatncat aactggaaat aggcaaccat gggctccttg
                                                                       420
                                                                       480
gcacccctaa aaccatcctg ctcactagcc actgaaatta aatagtgtcc aagaattttt
ttctgtctaa tttgaaaaaa gatagctaat atgacaaggc tttgttgtat ttacatcttg
                                                                       540
                                                                       600
aatttotqtq qqaaaaqqat aaaccatttt toaaagcaat tgagtaagco atttttoaga
gcaccaagag ggaagctttt tagatttaaa ctcttagaat taataactgg acactaaggc
                                                                       660
                                                                       720
taagcatctt atagccatgt atcatattac tagtagtatt accaataact attgaccaca
aagactaaca ttacttcata aaaaaatttt gatacagtgt tcattgaaag aataaaacaa
                                                                       780
                                                                       840
gatttaaatt gatgtgtatc agttcattat agctttaaaa aaattaggta tgacacagac
atgctaagcg tacttctcct accccaaagt gtttggtaat gtgtttatat actttcatat
                                                                       900
tttaaaccac taagtaaaaa acgtgtatga atcacattag aaataggtca tttaagatca
                                                                       960
ttgagettgg aattagetea tttattataa atgttttata aatatttagt tgeeagatet
                                                                      1020
caataatget tittgitgte atcagatita eetagaataa gecaagtgge atcecateee
                                                                      1080
gcatttcatc tgttaagtgt atgcacacac cttttcttaa ctctttacca gtgaccacaa
                                                                      1140
tggctggaca gctttgcatc atgcgtccat gggcgggtac actcagacca tgaaggtcat
                                                                      1200
tettgataet aatttgaagt geacagateg ettggatgaa gaeggggtat gtaetgeggt
                                                                      1260
teteatgett acceaaaate teaatatage agaaaettee aacattgeea gaaaaetete
                                                                      1320
ctagacacct tttaccttcc ttgctctatt cccagccttt tgttgggtgt ttagcaagtg
                                                                      1380
                                                                      1440
gattettgag gtgaagtatg aateaaaagg caacagaatt gggagaatae caaggggtgg
gtgaatgttg gggaaacctc cagtctcaca gagcagcgag gtccacaggc caatgaaatt
                                                                      1500
tgatggtaaa gcgtttactc cctggtaggt ccagagaaat gaaggcaggg gtgagttttc
                                                                      1560
                                                                      1620
attaagataa gtgttatttt gaagtgtatt gatttgaaat getgeeettt attgtnenaa
                                                                      1680
ttccaccgca ctatacagta gttgcgatan tccgagagtt acggtctctn nnnaaannct
                                                                      1688
ggccctct
```

<210> 2058 <211> 434

<400> 2057

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(433)
<223> similar to gi488551 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2058
taaaaccttc aaccgcaaag acgcacttgt tctacaccag aggattcaca ctggagaaag
                                                                       60
gccttacgag tgcagcaaat gtggtaaaac cttcagtgtt ctgtctaccc tcattcggca
                                                                      120
ccggaaagtg cacattggag aaaggcccta tgagtgtgca gaatgtggga agttctttaa
                                                                      180
atacaataat agcttcattc ttcaccagag agttcacact ggagaaaggc cttttgaatg
                                                                      240
caagcaatgt gggaaaggct acgtgacccg ttcaggcctc tatcagcact ggaaagtcca
                                                                      300
                                                                      360
cactqqqqaa cggccctatg aatgtagcct gtgtgggaaa accttcacta ccagatccta
ccgcaatcgg caccagcagt tccacactga agagaggtct tatgaatgta cagagtgtgg
                                                                      420
                                                                      434
gaaagccttc aaac
```

```
<210> 2059
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(345)
<223> similar to gi4589536 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2059
                                                                       60
tgaaatatgg ggcagatcct tcattaattg atggagatgg atgtagctgt attcatctgg
                                                                      120
ctgctcagtt cggacatacc tcaattgttg cttatctcat agcaaaagga caggatgtag
                                                                      180
atatgatgga tcagaatgga atgacgcctt taatgtgggc agcatataga acacatagtg
                                                                      240
tggatccaac tagattgctt ttaacattca atgtttcagt taaccttggt gacaagtatc
acaaaaacac tgctctgcat tgggcagtgc tagcagggaa taccacagtc attagccttc
                                                                      300
                                                                      360
ttctggaagc tggagctaat gttgatgccc agaatatcaa ggcaatcctt aggtgtcaca
tggccctcta gtggaaggga tgctcagctg gaccgaggca actgcaggat attcccgggg
                                                                      420
                                                                      480
agttgttacc caagggattg cttttattca gggcgaatca gcactttctt ggcaaaaaaa
                                                                      483
aaa
```

```
<210> 2060
<211> 1299
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (97)...(1258)
<223> similar to gi3986770 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2060
gaagaggtcc agttctttgc aaacaccagt gggtccttcc tgtgtgttta tagtttgaat
                                                                       60
teetteaact acacceacag teeaaaagca gacteactgt gteecagget accagtteet
                                                                      120
ccaagcaagt catttccctt atttaaccga tgtgtccctc aaacacctga gtgctactcc
                                                                      180
                                                                      240
ctatttqcat ctqttttgat aaatgatgtt gacaccctcc accgaattct aagtggaatc
atgtcgggaa gagatacaat ccttggcctg tgtatcctcg cattagcctt gtctttggcc
                                                                      300
atgatgttta cetteagatt cateaceace ettetggtte acatttteat tteattggtt
                                                                      360
attttgggat tgttgtttgt ctgcggtgtt ttatggtggc tgtattatga ctataccaac
                                                                      420
gacctcagca tagaattgga cacagaaagg gaaaatatga agtgcgtgct ggggtttgct
                                                                      480
                                                                      540
atcgtatcca caggcatcac ggcagtgctg ctcgtcttga tttttgttct cagaaagaga
ataaaattga cagttgagct tttccaaatc acaaataaag ccatcagcag tgctcccttc
                                                                      600
                                                                      660
ctqctqttcc agccactqtg gacatttgcc atcctcattt tcttctgggt cctctgggtg
                                                                      720
qctqtqctqc tgagcctggg aactgcagga gctgcccagg ttatggaagg cggccaagtg
                                                                      780
qaatataagc ccctttcggg cattcggtac atgtggtcgt accatttaat tggcctcatc
tggactagtg aattcatect tgegtgeeag caaatgacta tagetgggge agtggttaet
                                                                      840
                                                                      900
tqttatttca acagaagtaa aaatgateet eetgateate eeateettte gtetetetee
attetettet tetaceatea aggaaceatt gtgaaagggt catttttaat etetgtggtg
                                                                      960
                                                                     1020
aggatteega gaateattgt catgtaeatg caaaaegeae tgaaagaaea geatggtgea
                                                                     1080
ttgtccaggt acctgttccg atgctgctac tgctgtttct ggggtcttga caaatacctg
ctccatctca accagaatgc atatactaca actgctatta atgggacaga tttctgtaca
                                                                     1140
                                                                     1200
tcaqcaaaaq atgcattcaa aatcttgtcc aagaactcaa gtcactttac atctattaac
                                                                     1260
tgctttggag acttcataat ttttctaaga aaggggttaa gggtgtgttt cactggtttt
                                                                     1299
ggaagaactc aatgctttta actacaatcg gcatttcag
```

```
<210> 2061
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(169)
<223> similar to gi3319326 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2061
aatccttctg ctttcaatat ttactgtaat gtacgccatt gcgttctgga atggcagaaa 60
aaggaaatat cattggcagc cgcatctaag aactctgtgc agagtggaga atcagatagt 120
```

```
gatgaagaag aggaatccaa agagcccct atcaagcttc caaaggtaag ccactgagtt 180 ctattaatat ttagatgtgt aacctgcagg tgttctggct ataatgcata tatacgcatt 240 gctaaaatac tttgctttat gtaaaattgc acactaaaaa taacacgggc ttatgggcaa 300 aaatagattt ggagcagaaa aggaaaactc tgcaacttta taactaaggt gctaacaaag 360 tcaataattg ataattcact ggaaagcgca gga
```

```
<210> 2062
<211> 1207
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41) . . . (426)
<223> similar to gi2773363 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2062
ttctgatcat gtcactggca aggcaatgct tacgtcactt ggcctgaagt tgggggatcg
                                                                       60
                                                                      120
tgttgttatt gcaggacaga aggttggtac attaagattt tgtggaacaa ctgaatttgc
aagtgggcag tgggctggca ttgaactgga tgaaccagaa ggaaaaaata atggaagtgt
                                                                      180
                                                                      240
tggaaaagtc cagtacttta aatgtgcccc caagtatggt atttttgcac ctctttcaaa
gataagtaaa gcaaaaggtc gaaggaagaa tataacacac actccttcta caaaagctgc
                                                                      300
tgtacctctc atcaggtccc agaaaattga cgtagctcat gtgacgtcaa aagtaaatac
                                                                      360
                                                                      420
tggattaatg acatcaaaaa aagatagtgc ttctgagtca acactttcat tgcctcctgg
tgaagaactt aaaactgtga cagagaaaga tgttgccctg cttggatctg tcagcagctg
                                                                      480
                                                                      540
ctcctctaca tcttctttgg aacacagaca gagctacccc aagaaacaga atgcaatcag
cagtaacaag aagacaatga gcaaaagccc ttccctttca tccagagcca gtgctggttt
                                                                      600
                                                                      660
gaatteetea geaacateta eageaaataa tageegttge gagggggaae teegeetegg
agagagagtg ttagtggtag gacagagact gggcaccatt aggttetttg ggacaacaaa
                                                                      720
                                                                      780
cttcgctcca ggatattggt atggtataga gcttgaaaaa ccccatggca agaatgatgg
ttcagttggg aggtgttgca gtattttagc tgttctccaa gatatggaat atttggctcc
                                                                      840
                                                                      900
cccatccagg ggtgcaaaga gtaacagatt cccggggata ccctttcaga aatttcttca
aataaacaga accattotta tottgggttt taggagaagt tttagcacaa ottotgotto
                                                                      960
                                                                     1020
ttcccaaaag gagattaaca gaagaaatgc tttttccaag tgagtattaa gaagatttag
                                                                     1080
aaaaacacct ttcaagatga acatgatggg attctgtgaa gaaagaaaag tggagtgctg
tatcttttgc attgcttggt agagttttaa cacgtaggag aaaaggtgtg ataagtgtat
                                                                     1140
                                                                     1200
tgagaagcgt acttcctccc tcctttgcaa gcgcaattaa aaatgaaacc agtgactaaa
aaaaaaa
                                                                     1207
```

```
<210> 2063
<211> 556
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (1)...(557)
<223> similar to gi4091819 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2063
gegggeagea ceaegetget gtgeegegae gggeeegget tttaceegea ceagageetg
                                                                       60
cacgcctggc accgggacac ggacgctgag gccctggagc tggacggccg gccccacctg
                                                                      120
ctgctggcct cggcttccca gcggcccgtg ctcttccact ggaccggtgg ccgcttcgag
                                                                      180
agacgcacgg acatececga ggccgaggat gtetatgcca cacgccaett ccaggetggt
                                                                      240
qqqqacqtqt tectqtqcet cacacqctac attqqqqact ccatqqtcat qcqctqqqac
                                                                      300
ggetecatgt ttegtetget geageaactt eectegegeg gtgeecaegt etteeageea
                                                                      360
ctgctcatcg ccagggacca attggccatc ctaggcagcg acttcgcctt cagccaggtc
                                                                      420
ctecgeettg ageetgacaa ggggeteetg gagecaetge aggagetggg geeteeggee
                                                                      480
                                                                      540
ctggtggccc cccgtgcctt tgcccacatc actatggccg gcagacgctt cctctttgct
                                                                      556
gcttgcttta agggcc
```

```
<210> 2064
<211> 517
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (162)...(268)
<223> similar to gi5257201 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2064
tgtatttcct cccatatctg actgtttgtt tccaatcttt tgactgcttt cttgctttta
                                                                       60
                                                                      120
atgeetttat ettigettat tigaattagg taettetetg etacetttea eetgetettt
                                                                      180
ttctgtgcca ttgtttccct ggctacctta cctaaaacca ggccctagag aaacagaaag
aatacattgc ctgccttagg aatgagcgag atatgctcag agaggagctg gctgacctgc
                                                                      240
                                                                      300
aggagacagt gaagacggga gaggtatgtt agcattagcc tggaattcag gtccctcact
                                                                      360
qttttactet ctatetteet teettteate etgecatett teetageeta aatacaaact
                                                                      420
acagtigttta ttetetaate eagatttiggt aggtiggaage tatttettae acagagetat
atttcatgta actgattcta accaggtttt acctgtagca aacatgtatt gttgcagagt
                                                                      480
                                                                      517
gacctcacag agcttacagc ttccatatgg gcctttt
```

```
<210> 2065
<211> 633
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (3)...(636)
<223> similar to gi3449294 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2065
                                                                       60
ctggctccgg ctgcgagcag ggatgtccgc ccgggcggta tgggccaggc tgtgaacagc
                                                                      120
tgtgtgggtg tctcaacggg ggctcctgtg atgcggccac ggggggcctgc cgctgcccca
                                                                      180
ctgggtteet egggaeggae tgeaacetea eetgteegea gggeegette ggeeceaact
gcacccacgt gtgtgggtgt gggcaggggg cggcctgcga ccctgtgacc ggcacctgcc
                                                                      240
tetgecece ggggagagee ggegteeget gtgagegagg etgececeag aaceggtttg
                                                                      300
gegtgggetg egageacace tgeteetgea gaaatggggg eetgtgeeac geeageaacg
                                                                      360
gcagctgctc ctgtggcctg ggctggacgg ggcggcactg tgagctggcc tgtcccctg
                                                                      420
                                                                      480
ggcgctacgg agctgcctgc catctggagt gctcctgcca caacaacagc acgtgtgagc
                                                                      540
ctgccacqqq cacctgccgc tgcggccccg gcttctatgg ccaggcctgc gagcacccct
gtccccctgg cttccacggg gctggctgcc aggggttgtg ccggtgtcaa catggagccc
                                                                      600
                                                                      633
cctgcgaccc catcagtggc cgatgcctct gcc
```

```
<210> 2066
<211> 586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(588)
<223> similar to gi2970646 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2066
ctgcccaatg agtgagttgg ccgaaaagca ggggtcagag gtcacagatc ccacagccaa
                                                                       60
ggctgaggca cagtcctgca cctggatgtt caagccccaa cctgtggaca ggccagtggg
                                                                      120
                                                                      180
ctccagggag cagcacctgc aggttagcca ggtcccggct ggggaaagac agacagacag
                                                                      240
acacgtettt gagacegage etetteagge eteaggeegt eeetgtggaa gaeggeetgt
                                                                      300
gagatactgc agccgcgtgg agatecette agggcaggtg tetegteaga aagaggtttt
tcaggccctg gaggcaggca agaaggaaga acaggagccc cgggtaatcg ctgggtccat
                                                                      360
                                                                      420
ccccgcgggt tctgtccaca agttcacttg gctttttgag aattgtccca tgggctccct
                                                                      480
ggcagctgag agcatccaag ggggcaacct cctggaagag cagcccatga gcccctcagg
caacaggatg caagagagcc aggagactgc agctgagggg accctgcgga ctctgcatgc
                                                                      540
                                                                      586
cacacctqqc atcctqcacc atggaggcat cctcatggag gcccga
```

```
<210> 2067
<211> 553
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(543)
<223> similar to gi4589628 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2067
ccacaagatg ctggtcaggg agaccggagt ccactctctg ctcattgacc cactcactca
                                                                       60
gcgcgacgca gggacctata agtgcatcgc taccaacaaa accgggcaga attctttag
                                                                      120 .
tctggagctc tctgtagtag ccaaagaggt gaagaaagca cctgtgatcc tggagaaact
                                                                      180
acagaactgc ggtgttcccg aaggccaccc cgtgagactg gagtgccgcg tgataggcat
                                                                      240
qccccacct gtgttctact ggaagaaaga caatgagacc atcccttgca ccagagagag
                                                                      300
gatcagtatg caccaggaca caacagggta tgcctgcctt ctcattcagc cagccaagaa
                                                                      360
atcagacget ggatggtaca egttgtcage caagaatgaa geeggcateg tgtegtgcae
                                                                      420
                                                                      480
tgccaggctg gatatatacg ctcagtggca ccatcagatc ccaccgccca tgtctgtccg
geccagtgge agtegetacg gateteteac cagtaaagga ettgacatat tttetgeett
                                                                      540
                                                                      553
ttcctccatg gaa
```

```
<210> 2068
<211> 477
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (126)...(477)
<223> similar to gi3193306 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2068
                                                                       60
cggacgcgtg ggcggacgcg tgggtgggga ccaagatggc ggaccttgat tcgcctccga
                                                                      120
agetgteagg ggtgeageag cegtetgagg gggtgggagg tggeegetge teegaaatet
ccgctgagct cattcgctcc ctgacagagc tgcaggagct ggaggctgta tacgaacggc
                                                                      180
tctgcggcga ggagaaagtg gtggagagag agctggatgc tcttttggaa cagcaaaaca
                                                                      240
ccattgaaag taagatggtc actctccacc gaatgggtcc taatctgcag ctgattgagg
                                                                      300
gagatgcaaa gcagctggct ggaatgatca cctttacctg caacctggct gagaatgtgt
                                                                      360
                                                                      420
ccagcaaagt tcgtcagctt gacctggcca agaaccgcct ctatcaggcc attcagagag
                                                                      477
ctgatgacat cttggacctg aagttetgea tggatggagt teagactget ttgagga
```

```
<210> 2069
    <211> 877
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (15)...(478)
    <223> similar to gi4884343 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
    <400> 2069
ttgaaaagga gcgcctttta gatgaatggt tcactctgga cgaggttccc aaggggaagc
                                                                       60
tacacttgag actggagtgg ctcacgttaa tgccaaatgc gtcaaacctc gacaaggtgc
                                                                      120
                                                                      180
taacaqacat caaagetgac aaagaccaag ccaacgatgg tettteetet geattgetga
tettgtaett ggatteagea aggaacette egattegata caaaaceaat gaacetgtgt
                                                                      240
gggaggaaaa cttcactttc ttcattcaca atcccaagcg ccaggacctt gaagttgagg
                                                                      300
                                                                      360
tcagagacga gcagcaccag tgtcccctgg ggaacctgaa ggtccccctc agccagctgc
                                                                      420
tcaccagtga ggacatgact gtgagccagc gcttccagct cggtaactcg ggtccaaaca
                                                                      480
gcaccatcaa gatgaagatt gccctgcggg tgctccatct cgaaaagcga gaaaggcctc
                                                                      540
cagaccacca acactcaget caagtcaaac gteeetetgt gteeaaagag gggaggaaaa
                                                                      600
catccatcaa atctcatatg tctgggtctc caggccctgg tggcagcaac acagctccat
ccacaccagt cattgggggc agtgataagc ctggtatgga agaaaaggcc cagcccctg
                                                                      660
                                                                      720
aggeoggeec teaggggetg cacgaectgg geagaagete etecageete etggeeteec
caggccacat ctcagtcaag gagccgaccc ccagcatcgc ctcggacatc tcgctgccca
                                                                      780
                                                                      840
tegecacea qqaqetqeqq caaaggetga ggcagetgga aaaegggaeg accetgggae
                                                                      877
agtetecaet ggggeagate cagetgaeca tecegea
     <210> 2070
     <211> 524
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (4)...(309)
     <223> similar to gi300249 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2070
                                                                      60
cgcaagttct tagcgtgcgt gagccaggac tggtttctgc gggtgttcaa ctttgactca
                                                                      120
qtqqaqctqc acqqtacqat gaaaagctac tttgggggct tgctgtgtgt gtgctggagc
                                                                      180
ccggatggca agtacatcgt gacaggtggg gaggacgact tggtgacagt ctggtccttt
                                                                      240
gtagactgcc gagtaatagc cagaggccac gggcacaagt cctgggtcag tgttgtagcg
tttgaccctt ataccactag tgtagaagaa ggtgacccta tggagtttag tggcagcgat
                                                                      300
gaggacttcc aagaccttct tcattttggc tgagattgag caaatagtac acagttcagg
                                                                      360
```

```
ctctccaaac ggaattttac gtacagtcgc cccgttagtg tcactgatct gttttgtgtt 420 ctttggctat taatcactta tttttatttg tgttttttt tatcattttc atttttcgtc 480 ttcgcttctt gtcagagttc tttttttctc ttttgttctt ttct 524
```

```
<210> 2071
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(179)
<223> similar to gi5902181 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2071					÷
		gcatctttct	gctcttcagg	atgagcggca	ccattcggtc	60
		ccatctgggg				120
		gcctgcggtg				180
ggcctccagg	atcctggcca	cccctagccc	gtcctgctga	agcacccatc	acctccacca	240
agccctcagt	aactctcatc	cccgtttttc	ccagtagaca	catcccccac	tgcttctagg	300
gcggtgggtc	tcaaaaagac	aagttcccta	ccccagacct	gcccactagg	actatctggg	360
aattggccct	ttttacagat	tcccgaagag	tttcttctac	aggtgggccc	tgtctgcttt	420
gacccacact	•	•			4	430

```
<210> 2072
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(707)
<223> similar to gi2116552 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2072
geggtggaat teegggttee cegttetggt teggeatate tetacageta tgteactgtg 60
ggtgaactet gggcetteae cactggetgg aaceteatee tetectatgt cattggtaca 120
gecagtgtgg eeeggeetg gagetetget tetacaace tgattgggaa eeacatetet 180
aagaetetge agggteeat tgeactgeae gtgeeecatg teettgeaga atateeagat 240
teetttgett tgggeetegt gtgetgete aetggattgt tggetetegg ggetagtgag 300
teggeeetgg teaceaagt gtteacagge gtgaacettt tggttettgg gttegteatg 360
```

```
atctctggct tcgttaaggg ggacgtgcac aactggaagc tcacagaaga ggactacgaa
                                                                      420
                                                                      480
ttggccatgg ctgaactcaa tgacacctat agcttgggtc ctctgggctc tggaggattt
                                                                      540
gtgcctttcg gcttcgaggg aattctccgt ggagcagcga cctgtttcta tgcatttgtt
                                                                      600
ggtttcgact gtattgctac cactggagaa gaagcccaga atccccagcg ttccatcccg
                                                                      660
atgggcattg ggateteact gtetgtetge tttttggcgg attttgetgt etettetgea
ctcaccctga tgatgcctta ctaccagctt cagcctgaga gccctg
                                                                      706
     <210> 2073
     <211> 416
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (51)...(419)
     <223> similar to gi3851202 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2073
ggaggetgga etgagecagt gtgettggga aagagaetgg etttteeett teagagttge
                                                                       . 60
ccagggaaag cagctatgac atctacagag tgcccagcag tcagagcatg gaggatcgtg
                                                                       120
ggtacagece egacacgegt gtggteeget teeteaaggg caagageate gggetgegge
                                                                       180
tggcaggggg caatgacgtg ggcatcttcg tgtccggggt gcaggcgggc agcccggccg
                                                                       240
acgggcaggg catccaggag ggagatcaga ttctgcaggt gaatgacgtg ccattccaga
                                                                       300
                                                                      360
acctgacacg ggaggaggca gtgcagttcc tgctggggct gccaccaggc gaggagatgg
agctggtgac gcagaggaag caggacattt tctggaaaat ggtgcagtcc cgcgtg
                                                                       416
     <210> 2074
     <211> 585
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (9)...(582)
     <223> similar to gi3876481 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2074
                                                                        60
cgcagctaga gcgagctaag gaacagattg agtctctgga gcacgacctg caggcttctg
```

tggacgaget teaggatgtt aaagaagaac ggtetteeta eeaggacaaa gtggagagge

tcaaccagga gctgaaccat atcctgagtg ggcacgagaa ccgcatcatt gacgtggacg

ccctgtgtat ggagaacagg taccttcaag agagattaaa gcaactccat gaagaggtca

120

180

240

```
acctettgaa atcaaacatt gecaaataca agaatgetet ggagagaegg aaaaactega 300 agggeeaggg taaateeage ageagtgete tgacaggagt cetgtetgea aageaagtte 360 aggatetget atetgaggat catggatgea geeteecage tacteegeag tecatttetg 420 acctgaaate tetggeaaca geeetgttgg aaacaateea egagaaaaaa atggteatte 480 ageaccagag gcaaaccaac aaaateetag ggaategggt ggetgagetg gaaaaaaaat 540 taagaactet ggaagtttet ggtttgtgga gtetteeagg gggea 585
```

```
<210> 2075
<211> 803
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (69)...(431)
<223> similar to gi2833635 in the genepept database release 114
Run with FASTXY 3.3t00, default parameters
```

## <400> 2075 60 qqaqatcatg ctattgggtt tacagatgct tctttctcct gggataaaac aggaatgcca 120 gttctaaaag aggctctgtg gcttatgttt ctcagcaggc ctggattcaa aattgcattt 180 tgcaagaaaa cattetett ggeteeatea tgaagaaaga gttttatgag caagtattgg 240 aageetgtge teteetteea gatttggage agttgeeaaa gggagateaa actgagattg gagaaagagc tgtgaatata agtgggggcc agcagcatcg agtaagcctg gccagagctg 300 tetacagtigg ggeegaegte taceteetgg atgateeett gtetgetatt gatgtteatg 360 420 ttggaaagca getttttgaa aaagtgatag ggteettggg eettttgaaa aacegggtag 480 ccatagtttc atttatgctt tcttgtgggg caggggatat atctagcact gtgcctaaaa ttccatttat tttgtttatt tgttgaagca aagtagtcac atttcacatg aaaaaaatgg 540 600 gatgeteaga ttgeaattte acaggeaaat gteaatgggt aatttttgaa gttttaetta caagtttact ctggtgacaa tttatgtgat tgttatctct tcatctaata ccatatccta 660 720 aggggatgta tgtgccataa tgaattgttg ttgactcaag tgatttttac aatggtattt 780 tggtgcacac caaaatatta ataaaatttt atattattaa cataaaaaaa aagtcccccg 803 ggccgcgacg acgcggccgc gaa

```
<210> 2076
<211> 852
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (49)...(658)
<223> similar to gi157409 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2076
                                                                       60
ggcttccatc ctaatacgac tcactatagg gctcgagcgg ccgcccgggc aggtgctggg
                                                                      120
tcgtttgtgg gcgaagtaag tgctgtagat aaagactttg ggccaaatgg agaagtaagg
tattcttttg aaatggtgca gccagatttt gagttgcatg ccatcagtgg ggaaattaca
                                                                      180
aatactcatc agtttgacag ggagtctctt atgaggcgga gagggactgc tgtgtttagc
                                                                      240
tttacagtca tagcaacaga tcaggggatc cctcagcctc tcaaggatca ggccactgta
                                                                      300
catgtttaca tgaaggatat aaatgataat gctcccaaat ttttaaaaga cttttaccaa
                                                                      360
gctacaatat cagaatcagc agccaatctg acacaagtgt taagagtatc tgcctcagat
                                                                      420
gttgatgaag gtaataatgg acttattcac tattctataa taaaaggaaa tgaagaaaga
                                                                      480
cagtttgcta tagacagtac ctctggtcag gtaacactaa ttggcaaatt agactatgaa
                                                                      540
gcaacacctg cctattccct tgtaattcaa gcagtggatt cagggacaat ccccctcaat
                                                                      600
tcaacgtgta ctttaaatat tgatatttta gatgaaaatg acaatacccc tttctttccc
                                                                      660
taaatcaaca cttctttgtt gatgttttgg aaaacatgag aattggtgaa ctcggggcct
                                                                      720
                                                                      780
ctggtactgc aactgattcc cgattcaggt gacattgctg atttatatta caagtttact
gggactaaac accccccgg aacttttagc attagcccca aacacttggg agtatttttc
                                                                      840
                                                                      852
ttggcccaaa aa
```

```
<210> 2077
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (147)...(377)
<223> similar to gi487836 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 2077

tttcgtaage tttccccggt gtcggcgca ggtggaattt ccacgettta tctgcgcctg 60
cgccgcgcgg gattcgcggt ccgagctgaa gaggttcgcg gtccggttte acttctccga 120
accctgaggc agtgtggaa gctgggacgc cagccatgtt ccagaccgct tggcgccagg 180
aaccagtgac ctttgaggat gtggctgtg acttcaccca gaatgaatgg gccagcctgg 240
actctgtgca gagggccctg tacagggaag tgatgctgga gaattatgca aatgtggctt 300
cctggcatt cccattcacc acgcctgttc tggtctccca gctggagcaa ggggaactgc 360
catggggcct cgatccctgg gaacctatgg gcagggaggc tctcagaggt atctgg 416
```

```
<210> 2078
<211> 361
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (3)...(364) <223> similar to gil054940 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2078
ctggtgattg ctatgacctg tatggagggg agaagtttgc cactttggct gagttggtcc 60
agtattacat ggaacatcat gggcaattaa aagagaagaa tggagatgtt attgagctta 120
aaaatcctct gaactgtgca gatcctactt ctcaaaggtg gtttcatgga cacctctctg 180
gaaaagaagc agagaaattg ttaactgaaa aaggaaagca tagtagcttt cttgtacgag 240
agagccagag ccaccctgga gattttgttc tctccgtgtg caccggtgat gacaaaggag 300
agagcaatga cggcaagtct aaagtgactc atgtcatgat tcactgtcag gaactgaaat 360
c
```

```
<210> 2079
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) . . . (417)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5) . . . (418)
<223> similar to gi50675 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 2080 · (211> 579 (212> DNA (213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2)...(581)
<223> similar to gi5821434 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2080
actacttaaa caaaccacag gtgatgaagt tttaataatt caagataaat tggaagccat
                                                                       60
taaagcaagg tacaaagaca ttactaaact gagcactgat gtggccaaga ctctggaaca
                                                                      120
ggegetgeag ettgeaagge ggetgeacte cacacaegaa gagetgtgta eetggetgga
                                                                      180
caaagtggag gtggaattac tttcatatga aactcaggtt ctgaaaggag aagaagcaag
                                                                      240
                                                                      300
tcaagcacaa atgagaccaa aggaactgaa aaaggaagct aagaacaaca aagccttact
ggactccctt aatgaagtga gcagtgcttt gctggaactg gtaccatgga gggcaagaga
                                                                      360
aggacttgag aaaatggtag ctgaggacaa tgagcgctac cgattagtga gcgacaccat
                                                                      420
                                                                      480
cactcagaag gtggaggaga tcgatgcagc cattctgcga tcacagcagt ttgaccaagc
agctgatgct gagttatcct ggattactga aacagaaaaa aaattgatgt ctctgggtga
                                                                      540
                                                                      579
catcaggett gagcaagace agacttetge teagettea
```

```
<210> 2081
<211> 794
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(795)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (9)...(155)
<223> similar to gi2224639 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2081
                                                                      60
acgagogtgg aggogogoag gtaaatgota cagatgaaat caagogagag attatocato
agttgagtat caagectatg geteatagtg aattggtaaa gtetttaeet gaagatgtaa
                                                                      120
                                                                      180
gtacctacat ttctaaaaag aaaaccatag aaacttttcc ctgcctatca gtctagtatc
tatagattta cttctgtata cctttctcac aattgtaaaa tctattgtca tgggatgtgt
                                                                      240
                                                                      300
ataattccgg ccactcttat tatgaataat tagaaaaaga gaataggagt agaaaacaga
atagtaatag aatcttttac aataaagcct tgaggaagat aaggacacta aacaaaaagt
                                                                      360
                                                                      420
agcccaaacc tcagaactaa ggtttgtacc ccacagaaag aggtcattat agggtcttta
                                                                      480
gtacaaagtt gctatgggtg tggataatgc tttgtaacct agtatattga ggaagggagt
cagaagtgcc tactcaccta tactgagtag aataaataat gttttcctaa gctttttcct
                                                                      540
tettggeete cagagagtet tettaatgae gageeettgt tteattttag tgaatgeaaa
                                                                      600
                                                                      660
ataatagtga aaaggacatt cataggttaa attgcaactg tttttccttc caggggtgat
aagttcccca gcaacctata tttcagccat ggggtttttc agaaactcaa cccttataat
                                                                      720
```

```
780
794
```

tgagaagaga ctttattttc attgaggett tteaaaatgt ttgeeetaat ttgaaacata gateanaace ttea

```
<210> 2082
<211> 591
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (592)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (20)
<221> misc_feature
<223> n = a,t,c or g
<220>
<221> misc_feature
<222> (20)
```

```
<400> 2082
tctctgtacc gaaatgccct gggcagccgg ggggtgaagc tgctctgtca aggactcaga
caccccaact gcaaacttca gaacctgagg ctgaagaggt gccgcatctc cagctcagcc
                                                                     120
tgcgaggacc tctctgcagc tctcatagcc aataagaatt tgacaaggat ggatctcagt
                                                                     180
                                                                     240
ggcaacggcg ttggattccc aggcatgatg ctgctttgcg agggcctgcg gcatccccaa
                                                                     300
tgcaggctgc agatgattca gttgaggaag tgtcagctgg agtccggggc ttgtcaggag
atggcttctg tgctcggcac caacccacat ctggttgagt tggacctgac aggaaatgca
                                                                     360
ctggaggatt tgggcctgag gttactatgc cagggactga ggcacccagt ctgcagacta
                                                                     420
cggactttgt ggctgaagat ctgccgcctc actgctgctg cctgtgacga gctggcctca
                                                                      480
actotoagtg tgaaccagag cotgagagag ctggacctga gootgaatga gotgggggac
                                                                      540
                                                                      591
ctcqqqqtgc tgctgctgtg tgagggcctc angcatccca cgtgcaagct c
```

```
<210> 2083
<211> 605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(191)
<223> similar to gill60965 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
ttttttttt tgacgtggtt tagattggac gactgattat tggacagaat ggcatcttgt
                                                                       60
caacacctgc ggtctcctgc attatcagga agatcaaggc agctggtgga atcattctaa
                                                                      120
                                                                      180
cagccagcca ctgccctgga ggaccagggg gagagtttgg agtgaagttt aatgttgcca
                                                                      240
atggaggtat gtggttcagt atatgcctta ataatcacga tttccttcct cttatattat
tataqtetca cagtgaceet ttgatgatag acaagcaagg tgeagaggae etageteaga
                                                                      300
aaaatttagt gaggtgccca aagtgatcca acaaagaagt ggcatgatgg gctcatgaac
                                                                      360
                                                                      420
ccatttgggt ggtctcttgg tcccctgtac tcttcagcat aaactattga atagttgatg
                                                                      480
cttatctgat atggaaggac tctgaatttt aacattaaaa cataccctga aggtcgttgt
                                                                      540
ctaaatgaca atgaccctca ttttacacat gaacaaatca aaggeetgag aggetgagtt
                                                                      600
actgctgaag gccacagggt tgatcagggt cagattaatg atttttagcc caaatcctgg
                                                                      605
gctct
```

```
<210> 2084

<211> 2483

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (341)...(556)

<223> similar to gi5824417 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters
```

```
<400> 2084
                                                                      .60
ataaaatgga catagtagta ggacttacct cccagggctg tggttataga ggttttgtaa
gaattaaatg acatcatcca tgtaaagcat atagcagaat gcctggcaca tagatgccct
                                                                      120
                                                                      180
tagtgaattt ttgctgttgt tgtgattctt ttgggagcag tcatagtaac atattctcat
atgttggtat gttctttcat attgcattgt cttatgaata gattctggaa accaaaatgg
                                                                      240
                                                                      300
aggaaatgat gataagacta agaatgctga gaggaactat ttaaatgttt tacctgggga
                                                                      360
attttatatt acacggcatt ctaatctctc agaaatccat gttgctttcc atctctgtgt
                                                                      420
ggatgaccat gtgaaatcgg gaaacatcac tgctcgtgat cctgccatta tgggactccg
aaatatactc aaagtttgct gtacccatga catcacaaca ataagcattc ctctcttgct
                                                                      480
ggtacatgat atgtcagagg aaatgactat accetggtge ttaaggagag eggaacttgt
                                                                      540
                                                                      600
qttcaaqtqt qtcaaaqqtt tcatgatgga aatggcttca tgggatggag gaatttctag
                                                                      660
gacagtgcaa tttctagtac cacagagtat ttctgaagaa atgttttatc aacttagtaa
                                                                      720
catgettece cagatettee gagtateate aacaeteact etgacateca ageactaaac
                                                                      780
cottatagat tgacatgotg gcagaagatg attgttaaac totocaggaa cttgtgctat
                                                                      840
gctgggaatc tgtcaagcaa aagatgccca gaaagagaac ttgcagctca atccacaaat
                                                                      900
caagatacat gtgtgtgaaa cccattccaa aaatttatat actggcacaa actggtggat
caacccctaa cttaaacact taaagtctct ttatgaattt ctctttttt cttctctgtg
                                                                      960
                                                                     1020
ttacctgtgg aatattaggt aatctaaaac tttttattta ttcacacagg gacacttggg
                                                                     1080
gggaaaggga aacttgatta tatttacatg ggagggcatt tgactttttt caaggagggc
ttggacttcg tcttcaggtg gcaatcctta attaaacata caaacaaaat tttcctttta
                                                                     1140
ctttctttgc caaaacaaaa tgtaaaagca ctgaaatata cattgcaagt acaaatttcc
                                                                     1200
                                                                     1260,
tgtgaaaatc tttttataga aacacaaatg tataagacaa atgtgcttgt tcttttaaat
teteetgitt eagaatetet tittaateta eteetaagga tgtacaagtt agagteagaa
                                                                     1320
gacgttttgg atttttccc tctctctcat cctcccgctg tgcccttgca cttgcatatt
                                                                     1380
                                                                     1440
aataacattt catggactgg gaaatagtgt tettttttgc aagettgatg teaagttagt
                                                                     1500
ctaaaccagc acctggcagt attttagtgc tcatcaacat tgtgacaatc acacaaggaa
gatcatttct acatttctgt cctccctgcg ttctcagctt gcttaaccat tcctctacct
                                                                     1560
```

```
cttgcatttt tttgcggata aatgtatccc catttctgct tctctgtttc ccctcctttt
                                                                     1620
ccattgtttt tccttatggt actactttct caggtgctac atatcatata tttgtcccat
                                                                     1680
ctataacata tttaaatgct ataagtagta actccattaa acaaaggcat ttacaaaagc
                                                                     1740
acacaggtgt ttagaaaagc aatagtttca tcaattccaa gttatgtgga tattgtaact
                                                                     1800
                                                                     1860
ggccacaaga atgaaatgga gggcatttgg tgtcataaga tggcatgtct tgatgacaag
aaacaaaacg cccttcatta atatgcctca gtgtaataac tattatagaa actgttggca
                                                                     1920
agcagagtgc tttcctataa cagaatgtgt cttaattttc tacttgaggg aaaggtttgt
                                                                     1980
                                                                     2040
ccaggtaaca acactaaaga caaccctaag aacacccact ccagcagtat gtccattaga
                                                                     2100
cactaaaact ctccaaatta tttgtcaggg agcctggcga ttctgccaag aaggcaggtg
ttttgccctt agagcctata cagttctctt ggagaaattg tctttcaggc accactgtta
                                                                     2160
atcactgaga ctgattctaa tgcaaagcag ggaagacaga ggcagaaacc aggagagtgg
                                                                     2220
                                                                     2280
tagatcagtg cagcccagat atcggaatgg aggagcaaag tttcattcac ggatgtttgt
tqaatqctqc tgcccaactc ttcctttgtc acctctaggc tattccacta agttacttat
                                                                     2340
                                                                     2400
aaactggtgg ctttaactga gggctgtgta aaggtactat ttggcatgtg aagtcaggat
                                                                     2460
aaatttatcg aatgtccgtt ttccacatgc aactgtgtta cagaagtagt aaaattggaa
                                                                     2483
gaatcatgtt tatggtgtta cca
```

```
<210> 2085
<211> 999
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (170)...(377)
<223> similar to gil477565 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2085
agagaaacag cttcacactt tttatttatt cagaacgtgg tgtacctttc cagaatagca
                                                                       60
getttageet cagttgagtt atatgtgtca atgecattte accataatga getaaatgge
                                                                      120
tgatcagata atataaaagc actgtgttgt gtggtgcata acatttccac atgtttatgt
                                                                      240
tatgttttt tcagatcgcc tgataggctt gccagagggg cgtgctcgca atcacaatcg
                                                                      300
accgcatcaa atccctgtcc tggctggagt aatcattgaa gatgtggcag ttggagctga
                                                                      360
acacacatt getttggeat caaatggaga tgtgtatgee tgggggagea attcagaagg
                                                                      420
gcaggtaaat atttatattg cttgctgctt tctcatattc tagaaatctc acagtgttcc
                                                                      480
tcagttgggg aaagagataa gctaggaaat tcataatcta ctgcaatact ccaagcacat
                                                                      540
cactttgcta tgggactgat tattttgtaa gtctagttat gtctttctct ctcgactgcg
                                                                      600
gccaaagaag tattatacca tggtttaaaa caattctggt agtacagcaa agtgattaag
gggattggct gagtatttat gtgtgtgtcc tcatacactg ttaagtgcct ggcatgtagt
                                                                      660
                                                                      720
aagctgcagt atgtaaggat ttgctactgt caacattatc atcattacta cagcaagatg
                                                                      780
tgagattagg tcctgggaac atcagttgat atgggaaaaa gaatgaaaca ataatatttt
                                                                      840
tatattttat aatatgatgg catacaaagt atctttaggt ttttgcagga agtcttgtca
                                                                      900
ctcccattat ttataggatt aaactgagcc tctgagatac tgataagaga ctcaagaggt
                                                                      960
tgatgtattc accetectet atttatgaag gagggagaga cettggtgtg agatgtetga
                                                                      999
aatgctatga cggtgacttt tagcttcaca tgcagagcc
```

```
<210> 2086
    <211> 742
     <212> DNA
    <213> Homo sapiens
    <220>
     <221> misc feature
     <222> (241)...(743)
     <223> similar to gil695696 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2086
acacetgaeg taceggaeeg gaatteeece eegaeecaeg egteegeegg eeagteeete
                                                                       60
cccatttcgc agttctactc ccacggtggg ctgatggccg accacttgcc aggaaggatg
                                                                      180
cggcccaaca ccagctgccc ggtaccaatc aaagtctgcc ctcgctcacc ccccttggag
accaggacca ggacttccag ctcctgctct tcctattcct acgcggagga cgggagcggg
                                                                      240
ggctcaccct gcagcctccc tctctgtgag ttctcctcct cgccctgttc ccagggagcc
                                                                      300
agatteettg ccacagaaca tcaggaacca ggeetgatgg gagatggaat gtacaaccaa
                                                                      360
gtgcggcccc aaattaaatg tgagcagtct tatggaacca actccagtga cgaatccgga
                                                                      420
tegttetegg aageagacag tgagtegtgt cetgtgeagg acaggggeea ggaggtaaaa
                                                                      480
                                                                      540
cttccttttc ctgtagatca aatcacagat cttccaagga acgatttcca gatgatgatt
aaaatgcaca agctaacctc agaacagtta gagtttattc atgatgtccg acggcgcagc
                                                                      600
aagaaccgca tcgcggccca gcgctgccgc aaaaggaaac tggactgtat tcagaattta
                                                                      660
gaatgtgaaa toogcaaatt ggtgtgtgag aaagagaaac tgttgtcaga gaggaatcaa
                                                                      720
                                                                      742
ctgacagcat gcatggcgga cg
     <210> 2087
     <211> 398
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (4)...(399)
     <223> similar to gi4650844 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2087
                                                                        60
aagaattttc ctgaagtggt acagcatgaa gagttcattc ttctgaggca aggagaggtg
                                                                       120
gaaaagctaa tcaagtgcga tgaaattcag gtggatcctg aagaaccagt ctttgaggct
                                                                       180
gtcatcagtt gggtgaagca tgccaagaaa gagcagaaag actccttgcc cagcctgcta
                                                                       240
cagtatatgc agatgcccct gctaaccctc aggtatatca cagatgtaat agatgctgag
                                                                       300
cctttcatcc actatggttt acaatgcagg gatctggttg atgaagcaaa gaagtttcat
ctgaggcctg aacttcagag tcagatgcag ggacccagga caagggctcg cctaggagcc
                                                                       360
                                                                       398
aatgaagtgc ttttggtggc tgggggcttc ggaagcca
```

```
<210> 2088
<211> 366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(369)
<223> similar to gi4337015 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2088					
caagcateet geeegeed	tg ctggtgacca	tcctgatctt	catggaccag	cagatcactg	60
ccgtcattgt caaccgga	ag gagaacaaac	tgaagaaggc	tgccggctac	catctggacc	120
tgttctgggt gggcatco	tc atggetttgt	gctcctttat	ggggctcccc	tggtacgtgg	180
ctgccacggt catctcca					240
cccctgggga gcagccc					. 300
tcttcatcct gacgggaa	tc tctgtcttcc	tggctcccat	cctaaagtgt	atccccctgc	360
cggtgc		•	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		366

```
<210> 2089
<211> 574
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(576)
<223> similar to gi1789001 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2089
                                                                60
120
gatagtaaaa gttcaagggc acgctgatgg tacaacgata aataagtctg gctctcagga
                                                               180
cgtagtacaa ggaagtctgg caacgaacac aaccataaat ggtggtcgcc agtatgttga
                                                               240
acagagcaca gtagaaacaa caaccattaa aaatggcggt gagcaaagag tatatgagag
                                                               300
ccgtgcgctg gacacgacga ttgaaggcgg aactcagtct ctgaatagta agtcaacggc
                                                               360
aaaaaatacg catatctatt ctggtggcac gcaaattgtt gataacacca gcacctcgga
                                                               420
tgttattgaa gtttattctg gtggcgtgct tgatgttagg ggtggtacgg caacaaatgt
                                                               480
tacccagcac gatggtgcaa ttttaaaaaac taacactaac ggtacgacgg tgagcggtac
gaatagtgaa ggtgcattct ccatccacaa tcacgtggca gacaatgtgt tgctggaaaa
                                                               540
cggtggtcat ttagacataa acgcatatgg ttcg
                                                               574
```

```
<210> 2090
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (50)...(574)
<223> similar to gi4153862 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## <400> 2090 · cccacgcgtc cgggcatttc gagagggatc ccggaagtcc ttgcggatga agaattctcc 60 ctctgaagca cagaatttag atgagaatac aactgagggc tgggaaaatc ggataagact 120 atggactgac cagtatgaag aagettteac taateagtae agtgeagatg tacagaacge 180 240 gettgaacaa cacetacatt etageaagga atttgtggge aaacetaeta ttttagacae 300 tattaataag actgaattgg cctgtaataa cacagttatt ggttcccaaa tgcagttaca gctgggaaga gtcactcgtg ttcaaaagca ccggaagatc ctgagggctg caagagattt 360 420 ggctttggac actcttataa tagagtatcg tgggaaagtc atgttacgac agcaatttga 480 ggtcaatggg catttcttca aaaaaccata cccctttgtg ctcttctact caaaattcaa tggtgtagag atgtgtgtgg atgcccgtac tttcggtaat gatgctcggt tcatcagaag 540 575 atcatgtaca ccaaatgcag aggtgcgaca catga

```
<210> 2091
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (193)...(440)
<223> similar to gi3790173 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2091
                                                                       60
aatagagaag gtgccagaaa gatccaaaac aagtggctgc ggccgtcgcc caggagtcat
cggacgccag aatctgtgtc tccagaacgc tatagctatg gcacctccag ctcttcaaag
                                                                      120
                                                                      180
aggacagagg gtagctgccg tcgccgtcgg cagtcaagca gttctgcaaa ttctcagcag
ggtcagtggg agacaggete ecceecaace aageggeage ggeggagteg gggeeggeee
                                                                      240
agtggtggtg ccaaacggcg gcggagaggg gccccagccg caccccagca gcagtcagag
                                                                      300
                                                                      360
deegecagae ettectetga aggeaaagtg acetgtgaca teeggeteeg ggttegagea
gagtactgcg agcatgggcc agccttggag cagggcgtgg catcccggcg gccccaagcg
                                                                      420
                                                                      439
ctggcgcggc aacttgacg
```

```
<210> 2092
<211> 788
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (539)...(781)
<223> similar to gi4689221 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## <400> 2092 60 ggeggeggeg tittgagtgga ggaagatgge ggeteeggge ggeteggggt eeegecaget 120 gtgaggagcc ccgagcacgg ctgtcgcggc ctgaggcaga gcgcctctgc tctggccctg técetggete ecteattace gtegecageg gagegaacee gagagegtgg agegggetgg 180 240 gccagctgtt gagtggaatg tcatggccag ctcctcggac agtgaagatg acagtttcat 300 ggctgtggac caggaagaaa ctgtgctgga agggacaatg gatcaagatg aggagcccca cccagtattg gaggetgagg agactagaca taataggtee atgteggage tgecagaaga 360 420 ggttttggag tatateetgt cetttetete accgtateag gaacacaaaa etgeggeeet tgtctgcaaa cagtggtatc gacttatcaa aggtgtagcc catcagtgtt atcatggttt 480 540 catgaagget gtccaggaag gaaacattca gtgggagage egtacetate ettateetgg 600 aaccccaatc actcageget tetegeacag tgcatgetat tatgatgeta atcagtetat 660 gtatgtgttt ggaggetgta eccagageag etgeaatget gettteaatg acctetggag acttgaccta aacagcaaag agtggatccg acctttggct tcagggtcct atccttcccc 720 780 caaagctgga gcaactctgg tcgtgtacaa ggacttgcta gtgctgtttg gtggctggac 788 gcggccag

```
<400> 2093
atttgataac cgtagtatat ctctgtacgc gagccggaat tcccgggtag acgatttcgt 60
gcccgacctt cccacctgcc gccatggtgc ccagccaggc cccttacctc gtcccagctt ttcccctccc agccggacc tcacccggaa gagaatacgc agccccgga actgcaccgg 180
```

```
240
aaggeetgea tgggeegeee ttgteegagg gettgeagee ttaeceaget tteeetttte
cttacttgga tacttttatg accgttttcc tgcctgaccc ccctgtctgt cctctgttgt
                                                                      300
cgccatcatt tttgccatgt ccattcctgg gggcgacagc ctcttctgcg atatcaccct
                                                                      360
                                                                      420
caatgtcgtc agcaatgagt ccaactctgg acccaccccc ttcagtcacc agccaaagga
gagaggagga aaagtgggag gcacaaagcg aggggcaccc gttcattact tcgagaagca
                                                                      480
gctcaccett gcagttaaac ttacttcagg aagagatgcc cagaccetet gaatctccag
                                                                      540
                                                                      600
atcagatgag aaggaacacg tgcccacaaa ctgagtatca gtgtgttaca ggcaacaatg
qcaqtqagag cagtcctgct actaccggtg cactgtccac ggggtcacct cccagggaga
                                                                      660
atccatccca tcctactgcc agcgctctgt ccacaggatc gcctcccatg aagaatccat
                                                                      720
eccatectae tgecageget etgtecaegg gategeetee catgaagaat ceateceate
                                                                      780
ctactgccag cacactgtcc atgggattgc ctcccagcag gactccatcc catcctactg
                                                                      840
ccactgttct gtccacgggg tcacctccca gcgaatcccc atccagaact ggttcagcag
                                                                      900
                                                                      929
catcaggaag cagcgacagc agttgtatt
```

```
<210> 2094
<211> 1050
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (140)...(635)
<223> similar to gi60394 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2094
                                                                       60
tttegtgeee gggeageggg ggageagega gegggettee gegageegga gaaggeacag
geetgteeeg ggteeeggea ggtetgegeg tetgtteeea gegetetgeg aggeetaaaa
                                                                      120
                                                                      180
aggaggagca acctgtccag aatccctgca ggacaggaaa aggaggggaa atctcgacat
                                                                      240
ggaaaaaccc tacaataaaa atgaaggaaa cctggaaaac gagggaaagc cagaagatga
agtagagcct gatgatgaag gaaagtcaga cgaggaagaa aagccagacg tggagggaa
                                                                      300
                                                                      360
gacagaatgc gagggaaaga gagaggatga gggagagcca ggtgatgagg gacaactgga
                                                                      420
agatgaggga agccaggaaa agcagggcag gtccgaaggt gagggcaagc cacaaggcga
                                                                      480
gggcaagcca gcctcccagg caaagccaga gagccagccg cgggccgccg aaaagcgccc
                                                                      540
ggctgaagat tatgtgcccc ggaaagcaaa aagaaaaacg gacaggggga cggacgattc
                                                                      600
ccccaaggac tctcaggagg acttacagga aaggcatctg agcagtgagg agatgatgag
                                                                      660
agaatgtgga gatgtgtcaa gggctcaaga ggagctaagg aaaaaacaga aaatgggtgg
                                                                      720
ttttcattgg atgcaaagag atgtacagga tccattcgcc ccaagggggac aacggggtgt
                                                                      780
caggggagtg aggggtggag gtaggggcca gaggggctta cacgatatcc cataccttta
                                                                      840
atgeetttgg cettecatte tgatttetet gatgagaata ttgetggeee tgettteeet
                                                                      900
ggtaggtatt tgccaggccc aatgctttaa ccttaagctg atactttgct ttagatgtca
gtctcgttac cagcagcctt ttgacccaac tacggcgctc tatattttag tagaggattt
                                                                      960
                                                                     1020
tcacccatgt gcatggaaaa gatgttcatg gtacattgta aaaaaataaa attaaaatta
                                                                     1050
aaaaaagttt gcagaaccgc aaaaaaaaaa
```

```
<211> 461
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (152)...(421)
<223> similar to gi2505957 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

```
<400> 2095
geggtegget gtggeaaget tetettgtet etgaeggett gtagttatgg ggeaggagee
                                                                       60
geggacgetg eegeceteec ceaactggta etgegeeege tgeagegatg eegtgeeegg
                                                                      120
                                                                      180
gggcctcttt ggcttcgccg cgcggacctc cgtcttcctt gtccgcgtgg gcccgggcgc
aggogagagt ccagggacac ccccgtttcg agtcatagga gagttggtgg gacacaccga
                                                                      240
                                                                      300
aagggtötet ggetteacat titeteatea eeetggteag tacaacetet gtgeeaceag
ctccgacgat gggactgtga aaatatggga tgtagagaca aaaacagttg tgacagaaca
                                                                      360
                                                                      420
tqcactccat cagcatacga tatcaacatt acattggtct cctcgagtaa aggacttaat
                                                                      461
agtatotggg gatgaaaaag gagtagtttt otgttactgg g
```

```
<210> 2096
<211> 1199
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (177)...(1052)
<223> similar to gi1755049 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2096
                                                                       60
tttcgtcagg aatgaattaa gcagcacagc ccgagacgca ccacataaaa ggctgggaac
accagocago ogaagaaago ocattitigi giotgicago tiagaigoco tigocoggac
                                                                      120
                                                                      180
tgctaaagat gcagctattt acagtggaca gaaactgaag gggtgaaaga aaacccaaga.
                                                                      240
tgccagacca gtttgaccag geggttgtge tgaaccaget geggtactca gggatgetgg
agactgtgag aatccgcaaa gctgggtatg cggtccgaag accetttcag gacttttaca
                                                                      300
                                                                      360
aaaggtataa agtgctgatg aggaatctgg ctctgcctga ggacgtccga gggaagtgca
                                                                      420
cgagcctgct gcagctctat gatgcctcca acagcgagtg gcagctgggg aagaccaagg
tetttetteg agaateettg gaacagaaac tggagaageg gagggaagag gaagtgagee
                                                                      480
                                                                      540
acgeggecat ggtgattegg geceatgtet tgggettett ageacgaada caatacagad
                                                                      600
aggteettta tigtgiggig ataatacaga agaattacag agcatteett gigaggagga
                                                                      660
gatttttgca cctgaaaaag gcagccatag ttttccagaa gcaactcaga ggtcagattg
                                                                      720
ctcggagagt ttacagacaa ttgctggcag agaaaaggga gcaagaagaa aagaagaaac
                                                                      780
aggaagagga agaaaagaag aaacgggagg aagaagaaag agaaagagag agagagcgaa
                                                                      840
gagaagccga gctccgcgcc cagcaggaag aagaaacgag gaagcagcaa gaactcgaag
                                                                      900
ccttgcagaa gagccagaag gaagctgaac tgacccgtga actggagaaa cagaaggaaa
```

```
ataagcaggt ggaagagatc ctccgtctgg agaaagaaat cgaggacctg cagcgcatga 960 aggagcagca ggagctgtcg ctgaccgagg cttccctgca gaagctgcag gagcggcggg 1020 accaggagct ccgcaggctg gaggaggaga tttttgcacc tgaaaaaggc agccatagtt 1080 ttccagaagc aactcaagag gtcagattgc tcggagagtt tacagacaat tgctggcaga 1140 gaaaaagggag caagaagaaa agaagaaaca ggaagaggaa gaaaagaaga aacgggagg 1199
```

```
    <400> 2097

tttttctctt ccatccagct gactgatgat cagggccccg tcctgatgac cactgtagcc 60
atgcctgtgt ttagtaagca gaacgaaacc agatcgaagg gcattcttct gggagtggtt 120
ggcacagatg tcccagtgaa agaacttctg aagaccatcc ccaaatacaa ggtaatgaat 180
gacctaatcc ctgaaatcaa agcaacagag atgcccagag ccttgtttc acaaagttca 240
ggcttcaaac tctactttgg agcgatgttt ttgctcacca ctattacagc ctgttagctt 300
gtctttatac catctgcaca gttattaaa aggnnnnnnn nnnattattt acaaggactg
gctgttttc ttatttacct cct 383
```

```
<210> 2098
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33) ... (388)
<223> similar to gi4240305 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 2098

```
ctggccgaactcccgggtcgacgatttcgtcgccgggcaaaatcgcggtggttggggctgggattgggggctctgctgtggcccattttctccagcagcactttggacctcgggtgcagatcgacgtgtacgagaagggaaccgtgggtggccgcttggccaccatctcagtcaacaagcagcactatgagagcggggctgcctccttccactccctgagcctgcacatgcaggacttcgtcaagctgctggggctgaggcaccggcgcgaggtggtggcaggacgccatcttcggcggggagcacttcatgctggaggagactgactggtacctgctgaacctcttccgcctctggtggcactatggcatcagcttcctgag
```

```
<210> 2099
<211> 508
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(510)
<223> similar to gi157999 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2099
ctgtgaggcc atcggccacc caaggcctac catcagctgg gccaggaatg gagaagaagt
                                                                       60
                                                                      120
teagtteagt gacaggatte ttetacagee agatgattee ttacagatet tggcaccagt
ggaagcagat gtgggtttct acacttgcaa tgccaccaat gccttgggat acgactctgt
                                                                      180
ctccattgcc gtcacattag caggaaagcc actagtgaaa acgtcacgaa tgacagtgat
                                                                      240
caacacggag aagcctgcag tcacagtcga tataggaagc accatcaaaa cagtgcaggg
                                                                      300
                                                                      360
agtgaatgtg acaatcaact gccaggttgc aggagtgcct gaagctgaag tcacttggtt
caggaataaa agcaaactgg gctccccgca ccatctgcac gaaggctcct tgctgctcac
                                                                      420
                                                                      480
aaacgtgtcc tcctcggatc agggcctgta ctcctgcagg gcggccaatc ttcatggaga
                                                                      508
gctgactgag agcacccagc tgctgatc
```

```
<210> 2100
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (203)...(421)
<223> similar to gi3413830 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2100
tttcgtgccc tgctccttcc tgagggctta gagattctcc ttaactccca gccatggatc 60
```

```
120
ttqqagaatt tcccccgaga tcagcaggag ggaaaagatg ccgttccacc atgtgaccgc
cggcttgttg tacaagggga attacctcaa ccgatcgctc tctgctggca gtgacagcga
                                                                      180
acagetgget aatateteeg tggaggaget egatgaaate egagaggeet ttegggttet
                                                                      240
                                                                      300
ggaccgggat gggaacggct tcatctccaa gcaggagctg ggcatggcca tgcgctcttt
                                                                      360
ggggtacatg ccaagcgagg tggagctggc catcatcatg cagcgcttgg acatggacgg
                                                                      420
qqatggccag gtggattttg atgaattcat gaccattctt ggccccaaac tggtgtcttc
                                                                      480
aqaaqqtcgc gatggttttc ttgggaacac gatagacagc atattctggc aggtgagtaa
                                                                      527
qaatattttt tttcagacta agtttgacag taaatgtgtc tgagact
```

```
<210> 2101
<211> 2147
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(2149)
<223> similar to gi2373395 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2101 60 tttcgttaac ctaattggta ctggaacaag tgaacactgg gtcgatgatg aagggcccca 120 gccaaagaaa ggaaaggctg aagatgaggc cttactctca gaagaagatg accccattga tegaeggeea tggaeacage ageaecttga agetgeagae ateegtagga caccateget 180 240 ggctctcacc cctcctcagg cagagcagga ggtggatgtg ttagatgtga atgtccgtgg 300 cccagatggc tgcaccccat tgatgttggc ttctctccga ggaggcagct cagatttgag tgatgaagat gaagatgcag aggactette tgetaacate atcacagaet tggtetacca 360 gggtgccage etccaggece agaeagaceg gaetggtgag atggecetge acettgcage 420 480 ccgctactca cgggctgatg ctgccaagcg tctcctggat gcaggtgcag atgccaatgc 540 ccaggacaac atgggccgct gtccactcca tgctgcagtg gcagctgatg cccaaggtgt cttccagatt ctgattcgca accgagtaac tgatctagat gccaggatga atgatggtac 600 660 tacacccctg atcctggctg cccgcctggc tgtggaggga atggtggcag aactgatcaa 720 ctgccaagcg gatgtgaatg cagtggatga ccatggaaaa tctgctcttc actgggcagc 780 tgctgtcaat aatgtggagg caactctttt gttgttgaaa aatggggcca accgagacat 840 gcaggacaac aaggaagaga cacctctgtt tcttgctgcc cgggagggga gctatgaagc 900 agccaagatc ctgttagacc attttgccaa tcgagacatc acagaccata tggatcgtct 960 tccccgggat gtggctcggg atcgcatgca ccatgacatt gtgcgccttc tggatgaata caatgtgacc ccaagccctc caggcaccgt gttgacttct gctctctcac ctgtcatctg 1020 1080 tgggcccaac agatetttee teageetgaa geacaceeca atgggcaaga agtetagaeg 1140 gcccagtgcc aagagtacca tgcctactag cctccctaac cttgccaagg aggcaaagga 1200 tgccaagggt agtaggagga agaagtctct gagtgagaag gtccaactgt ctgagagttc agtaacttta teceetgttg attecetaga ateteeteac aegtatgttt eegacaceae 1260 1320 atcctctcca atgattacat cccctgggat cttacaggcc tcacccaacc ctatgttggc 1380 cactgccgcc cctcctgccc cagtccatgc ccagcatgca ctatctttt ctaaccttca tgaaatgcag cetttggcac atggggccag cactgtgctt ccctcagtga gccagttgct 1440 1500 atcocaccac cacattgtgt ctccaggcag tggcagtgct ggaagcttga gtaggctcca 1560 tecagtecea gteceageag attggatgaa eegeatggag gtgaatgaga eeeagtacaa 1620 tgagatgttt ggtatggtcc tggctccagc tgagggcacc catcctggca tagctcccca 1680 gagcaggcca cctgaaggga agcacataac cacccctcgg gagcccttgc cccccattgt 1740 gactttccag ctcatcccta aaggcagtat tgcccaacca gcgggggctc cccagcctca

```
gtccacctgc cctccagctg ttgcgggccc cctgcccacc atgtaccaga ttccagaaat 1800 ggcccgtttg cccagtgtgg ctttccccac tgccatgatg ccccagcagg acgggcaggt 1860 agctcagacc attctccag cctatcatcc tttcccagcc tctgtgggca agtaccccac 1920 acccccttca cagcacagtt atgcttcctc aaatgctgct gagcgaacac ccagtcacag 1980 tggtcacctc cagggtgagc atccctacct gacaccatcc ccagagtctc ctgaccagtg 2040 gtcaagttca tcaccccact ctgcttctga ctggtcagat gtgaccacca gccctacccc 2100 tgggggagct ggaggaggtc agcggggacc tgggacacac atgtctg
```

```
<210> 2102
<211> 537
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(538)
<223> similar to gi1213006 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

```
<400> 2102
                                                                       60
ctgggagagg aggaagatga agccgaggtg gaagacgagg aggaggcggc gagccagcag
                                                                      120
ttectagage agtegeteca geeggggetg caggtggeec ggtggggegg ggttgegett
ccccgagagc acatcgaggg cggcggcggc ccgagcgacc cctcagagtt tggcaccaag
                                                                      180
                                                                      240
ttcagggcac cgccaaggtc tgcggcggcc tctgaagatg cccggcagcc ggcaaagccc
ccctactcgt acatcgcgct catcaccatg gccatcctgc aaaacccgca caagcgcctc
                                                                      300
                                                                      360
acgeteageg geatetgege etteattagt ggeegettee eetaetaeeg eegeaagtte
cccgcctggc agaacagcat ccgccacaac ctctcgctga acgactgctt cgttaagatc
                                                                      420
ccccgcgage cgggccacce aggcaaggge aactactgga gcctggacce cgcctcccaa
                                                                      480
gacatgttcg acaatggcag ctttctccgg cgtaggaagc gtttcaagcg ccaccaa
                                                                      537
```

```
<210> 2103
<211> 471
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(474)
<223> similar to gi3169768 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2103
ggtacaagga tgccctgctg ctgccagaca accaccgcca ggtggtgttt gagaatggga 6
```

```
ccctcaagct gactgacgtg cagaaggca tggatgagg ggagtacctg tgcagtgtcc 120 tcatccagcc ccagctctcc atcagccaga gcgttcacgt agccgtcaaa gtgcccctc 180 tgatccagc cttcgaattc ccacccgcct ccatcggca gctgctctac attccctgtg 240 tggtgtcctc gggggacatg cccatccgta tcacctggag gaaggacgga caggtgatca 300 tctcaggctc gggcgtgacc atcgagagca aggaattcat gagctccctg cagatctcta 360 gcgtctccct caagcacaac ggcaactata catgcatcg cagcaacgca gccgccaccg 420 tgagccggga gcgccagctc atcgtgcgtg tgcccctcg atttgtggtg c
```

```
<210> 2104
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (45)...(432)
<223> similar to gi5679450 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2104
aggetaegga geaggegaga ggegaeggeg agagetagag egggegeage gttagggtgg
                                                                       60
ccgtgcaagg ggagccgtgg cccgggcccg gggcgtgcga gacggcggaa gcagcccagg
                                                                      120
gccttgctgc cgccatgact gaggaatcag aggagacagt cctgtacatt gagcaccgct
                                                                      180
                                                                      240
atgtetgete tgagtgeaac cagetgtatg gateactgga agaggtgett atgeaccaaa
acteceaegt geeceageag caetttgage tggtgggegt ggetgateee ggagteaetg
                                                                      300
                                                                      360
tggccacaga cacagettca ggcacgggcc tetatcagac cettgtgcag gagagecagt
                                                                      420
accagtgcct ggagtgtggt caactgctga tgtcacccag ccagetcctg gagcaccagg
                                                                      480
agetgeacet gaagatgatg geaceceagg aggeagtgee agetgageea teacetaagg
                                                                      483
cac
```

```
<210> 2105
<211> 1229
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (140)...(814)
<223> similar to gi3929219 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2105 tttcgtccgg cgccgggtcc cggagacaga cgttacgcgg gctcgagcgt cctcgggaag

```
120
tgccagccag agttggtgac gaccacttcc tcgacgtggg gcgggcggac gggaagcctg
gggtcgtggc caccgcctcg ggagctctgg gagcccgggt gaccgcgtag aaatgaacac
                                                                      180
agaageggag caacagette tecateaege cagaaatgge aatgetgaag aagtaagaca
                                                                      240
                                                                      300
actattagag accatggcga ggaatgaagt gattgctgac attaattgca aaggaagaag
                                                                      360
taagtctaac ttgggctgga cacctctaca tctggcatgc tattttggac acagacaagt
ggtccaggat ctgttgaagg ctggtgcaga agtgaatgtg ttgaatgaca tgggagacac
                                                                      420
gccgcttcat cgagctgcct ttacaggacg aaaggagttg gtaatgcttc tcttagaata
                                                                      480
                                                                      540
taatgctgat actactattg ttaatgggag tggacagaca gcaaaagaag ttactcatgc
                                                                      600
tqaaqaaatc acaagcatgc ttgaagctgt agaaaggact caacaaagaa agcttgaaga
                                                                      660
attactttta gcagcagcaa gagaaggcaa aacaacagaa ctcacagctc tgctcaacag
                                                                      720
gcccaatcct cctgatgtta actgttcgga tcagttagga aatacaccct tgcattgggc
agettacegg geceataaac aatgggeett aaagetttta aaaagtggag cagaceetaa
                                                                      780
tctgaagaac aaaaatgatc agaaacctct tgaccttgcc cagggtgctg aaatgaaaca
                                                                      840
cattettgtt ggtaataagg teatetacaa ageattgaaa egatatgagg gecetetetg
                                                                      900
qaaqaqttca agattttttg gctggagatt attctgggta gtgttagagc atggagtcct
                                                                      960
ttcatggtat aggaaacagc ctgatgcagt tcataatatt tatcgccagg gatgcaaacg
                                                                     1020
cctgactcaa gcagtatgca cggtaaaatc cactgatagc tgcctcttct ttattaaatg
                                                                     1080
ctttgatgac gccattcatg gcttccgggt tcctaagaat agccttcagc agtcaagaga
                                                                     1140
ggcctggctg gaagcaatag tcgctctttc tgcttacagc gctcattact gtacacaaaa
                                                                     1200
                                                                     1229
ccagctgact gatgaggagg aggtgtatt
```

```
<210> 2106
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (79)...(457)
<223> similar to gi915001 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2106
tttegtegtg gggeegggge ggagagageg gageaceggg aaggggageg tggggeeget
                                                                       60
                                                                      120
ggaatgggtg aatttaaggt ccatcgagta cgtttcttta attatgttcc atcaggaatc
                                                                      180
cgctgtgtgg cttacaataa ccagtcaaac agattggctg tttcacgaac agatggcact
gtggaaattt ataacttgtc agcaaactac tttcaggaga aatttttccc aggtcatgag
                                                                      240
                                                                      300
tetegggeta cagaagettt gtgetgggea gaaggacage gaetetttag tgetgggete
                                                                      360
aatggcgaga ttatggagta tgatttacag gcgttaaaca tcaagtatgc tatggatgcc
                                                                      420
tttggaggac ctatttggag catggctgcc agccccagtg gctctcaact tttggttggt
tgtgaagatg gatctgtgaa actatttcaa attaccccag acaaaatacc agtt
                                                                      474
```

```
<210> 2107
<211> 857
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (4)...(858)
<223> similar to gi4314432 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2107
                                                                       60
tttcgtgccc tggctccagc atccacggca tcaggcgcag cctctgtggg acagacatca
                                                                      120
gctagaaaga gggatgcccc agcccctaga cctctccctg cttctgaggg gcatctccag
                                                                      180
cetecagete agacatetgg tectacagge tececaceet geatecaaae etececagae
ceteggetet ecceteett eegageeegg eetgaggeee teeacageag eeetgaggat
                                                                      240
                                                                      300
cetgttttgc cacggccacc ccagacettg ceettggatg tgggccaggg teetteagag
cetggcacte actecetgg acttetgtee eccacettee ggeetgggge ecceteagge
                                                                      360
                                                                      420
cagactgtgc ccccacctct gcccaagcca ccccgatcac ccagccgttc cccaagccac
teccegaate getetecetg tgttececea geceetgaca tggeeeteee aaggettgge
                                                                      480
acccagagta cagggcctgg caggtgcctg agccccaacc ttcaggccca agaagcccca
                                                                      540
                                                                      600
geoccagica edacetecte tietacatee accetiteat ecteceeting gicageteag
cctacctgga agagcgaccc cggcttccgg atcactgtgg tcacatggaa cgtgggcact
                                                                      660
                                                                      720
gccatgccc cagacgatgt cacatccctc ctccacctgg gcggtggtga cgacagcgac
ggcgcagaca tgatcgccat agggttgcag gaagtgaact ccatgctcaa caagcgactc
                                                                      780
aaggacgccc tottcacgga ccagtggagt gagctgttca tggatgcgct aagggccttt
                                                                      840
                                                                      857
cacttcgtgc ttgtgag
```

```
<210> 2108
<211> 592
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(595)
<223> similar to gi3207508 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2108
                                                                       60
tttcgtgttc aggaactggc accaatgcgt gttacatgga ggacatgagc aacattgacc
tggtggaggg cgacgagggc aggatgtgca tcaacacaga gtggggggcc ttcggggacg
                                                                      120
acggggccct ggaggacatt cgcactgagt tcgacaggga gctggacctc ggctctctca
                                                                      180
acccaggada gcaactgttc gagaagatga tcagtggcct gtacctgggg gagcttgtca
                                                                      240
ggcttatctt gctgaagatg gccaaggctg gcctcctgtt tggtggtgag aaatcttctg
                                                                      300
                                                                      360
ctctccacac taagggcaag atcgaaacac ggcacgtggc tgccatggag aagtataaag
aaggeettge taatacaaga gagateetgg tggaeetggg tetggaaceg tetgaggetg
                                                                      420
actgcattgc cgtccagcat gtctgtacca tcgtctcctt ccgctcggcc aatctctgtg
                                                                      480
                                                                      540
cagcagetet ggeggeeate etgacaegee teegggagaa caagaaggtg gaacggetee
                                                                      592
ggaccacagt gggcatggac ggcaccctct acaagataca ccctcagtac cc
```

```
<210> 2109
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (83)...(696)
<223> similar to gi3925211 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2109
ccggaatttc cgggtcgacg atttcgtcct ggacgtctcg gcgggccagc tgcttatggt
ggacggacgc caccetgacg ccgtggcctg ggccaacete accaacgcca tccgcgagac
                                                                      120
tgggtgggcc ttcctggagc tgggcacaag tggccaatac aatgacagct tgcaggccta
                                                                      180
tgcagccggt gtggtggagg ctgctgtgtc ggaggagctc atctacatgc actggatgaa
                                                                      240
cacggtggtg aattactgcg gccccttcga gtatgaagtc ggctactgcg agaggctgaa
                                                                      300
gagetteetg gaggeeaace tagagtggat geaggaagag atggagteaa acceagaete
                                                                      360
accttactgg caccaggtgc ggctgaccct cctgcagctg aaaggcctgg aggacagcta
                                                                      420
cgaaggccgt gtgagcttcc cagctgggaa gttcaccatc aaacccttgg ggttcctcct
                                                                      480
gctgcagctc tctggggacc tggaagacct ggagctggcc ctgaacaaga ccaagatcaa •
                                                                      540
                                                                      600
accttctctg ggctctggct cctgttctgc cctcatcaag ctgctccctg gccagagtga
cctcctggtt gcccacaaca cctggaacaa ctaccagcac atgctgcgtg tcatcaagaa
                                                                      660
                                                                      720
gtactggctc cagttccggg aaggcccctg gggggactac ccgctggttc ccggcaacaa
                                                                      730
gctggtcttc
```

```
<210> 2110
<211> 773
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(774)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (16)...(690)
<223> similar to gi643654 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2110

```
60
agetgagteg agetegeegg agegggeace tetgteagee teetegeagt tgtagttatt
gtgtgtggcg tggccctggt ggcagatttt ctctttctct tttggaagct gtgctggatg
                                                                      120
ccctggagga acaaggaggc ctccagtccc tcttctgcta atcccccctt ggaagccctc
                                                                      180
cagagececa getteagagg caacatggeg gacaagetga aggaececag caecetggge
                                                                      240
                                                                      300
ttcctggagg cggccgtgaa gatcatccac acgtccccag atatcccagc tgatgtgcag
atgtcggtca aggagcacat catgcgtcac acccggctgc agcggcaaac tacagagcca
                                                                      360
gegteateca ecaggeacae gteetteaag egecacetge caaggeagat geatgtetee
                                                                      420
agtgtagact atggcaatga gcttccacca gcagcagagc agcccaccag cattggccgc
                                                                      480
                                                                      540
atcaagcctg agctctacaa gcagaagtcg gtggatgggg aggatgccaa gtctgaggcc
accaagaget gegggaagat caactteage etaegetaeg attaegagae egagaeeetg
                                                                      600
attgtgcgta tcctgaaggc ttttgacctc cctgccaagg acttttgtgg aagctctgac
                                                                      660
                                                                      720
cettatqtea agatetacet cetgeettga eeggeaaatg geaagettge aggaceeggg
                                                                      773
ttgcaccgca aggaccctgg aaccccacnt ttggatggag gaattttcca ttt
```

```
<210> 2111
<211> 2166
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(2156)
<223> similar to gi1403709 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2111
tttcgttgca attgcaacga atggtgttgt gcctgctggt ggctcctact acatgatttc
                                                                       60
caggitatetg ggaccagagi tigggggtga cgigggacta igaticiaca igggaactaa
                                                                      120
                                                                      180
ctttgcagga gccatgtaca tcctgggcac catcgaaatc ctgctggctt acctcttccc
                                                                      240
agccatggcc atcttcaagg cagaagatgc cagtggggag gcagcagcca tgctgaacaa
                                                                      300
catgcgtgtt tacggcacct gtgtgctcac ctgcatggcc actgtggtgt ttgtgggtgt
caagtatgtc aacaagtttg cccttgtctt cctgggttgt gtcatcctct ccatcctggc
                                                                      360
                                                                      420
catchatget ggggtcatca agtetgeett cgaeccacce aactteeega tetgeeteet
gggtaaccgc acgctgtctc gccatggctt tgatgtctgt gccaagctgg cttgggaagg
                                                                      480
aaatgagacg gtgaccacac ggctatgggg ccttttctgc tcctctcgct tcctcaacgc
                                                                      540
                                                                      600
cacctgtgat gaatacttca cccgaaacaa tgtcacagag atccagggca tccctggtgc
                                                                      660
tgccagtggc ctcatcaaag agaacctctg gagctcctac ctgaccaagg gcgtgattgt
                                                                      720
ggagaggagt gggatgacct cggtgggcct ggccgatggc actcctatcg acatggacca
cccttatgtc ttcagtgata tgacctccta cttcaccctg ctggttggca tctacttccc
                                                                      780
                                                                      840
ctcagtcaca gggatcatgg ctggttctaa ccgctctggg gacctgaggg atgcccagaa
                                                                      900
gtcaatcccc actggcacca tectggccat egecaccacc tetgetgtet acatcagete
                                                                      960
cgttgttctg tttggggcct gcattgaggg ggtcgtcctg cgggacaagt ttggcgaagc
                                                                     1020
tgtgaatggc aacctcgtgg tgggcactct ggcctggcca tctccatggg taattgtcat
cggatcette ttetecacet gtggggetgg getgeagage etcaeggggg ecceaegeet
                                                                     1080
gctgcaggcc atctcgaggg atggcattgt gcccttcctg caggtctttg gccatggcaa
                                                                     1140
ggccaatgga gagccgacct gggccctgct cctgactgcc tgcatctgcg agattggcat
                                                                     1200
cctcattgca tccctcgacg aggtggcccc catcctctct atgttcttcc tgatgtgcta
                                                                     1260
                                                                     1320
catgtttgtg aatctggcct gtgcagtgca gacgctgctg aggacaccca actggaggcc
acgctttcga tattaccact ggaccctctc cttcctgggc atgagcctct gcctggccct
                                                                     1380
                                                                     1440
catgttcatc tgctcctggt attatgcact ggtagccatg ctcattgctg gactcatcta
```

```
caagtacatt gagtaccgtg gggcaaagaa ggagtggggc gatgggatac gaggtctgtc
                                                                     1500
                                                                     1560
teteagtgeg getegetatg ecetettacg eetggaggaa gggeeeceac acaccaagaa
ctggaggcca cagctgctgg tgctggtgcg tgtggaccaa gaccagaatg tggtgcaccc
                                                                     1620
                                                                     1680
ccagctgctc tcactgacct cccagctgaa ggcagggaag ggcctgacca tcgtgggctc
                                                                     1740
tgtccttgag ggcacctttc tggaaaatca tccacaggcc cagcgggcag aagagtctat
caqqcgcctg atggaggcag agaaggtgaa gggcttctgc caggtggtga tctcctccaa
                                                                     1800
                                                                     1860
cttgcgtgat ggcgtgtccc atctgatcca gtctgggggc ctcggggggc tgcagcacaa
                                                                     1920
cactgtgctt gttggctggc cccgcaactg gcgccagaag gaagatcatc agacgtggag
gaacttcatt gagctggtcc gggaaaccac agctggccac ttagccctgc tggtcaccaa
                                                                     1980
gaacgtttcc atgtttcctg ggaaccctga gcgcttctct gaaggcagca tcgaccgttg
                                                                     2040
ggggattggg cacgatggag gcatgctcat gctggtgccc ttcctgctgc ggcaccacaa
                                                                     2100
ggtctggcgg aagtgcaaga tgcgtatctt cactgtggcc cagatggttg acatgcatgc
                                                                     2160
                                                                     2166
catgag
```

```
<210> 2112

<211> 431

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)...(115)

<223> similar to gi4755083 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters
```

```
<400> 2112
tttcgtaatg gctgctgaca tttctgaatc cagcggggct gactgcttag gagacccaag
                                                                       60
gaacagtgcc aagttagatg ccgattaccc acttcgagtc ctttattgtg gaggcaagtg
                                                                      120
ttggtagcca cagaatgact tttactcact atacttttat gcattgtaat aacagtttga
                                                                      180
catttggtaa gctttcttcc ccatcctttt catttggtga gtttgtactg ggggagagga
                                                                      240
gtcctgggga ggaggaggca tgaattaaca gagtttcccc acctgggtga tttgtgtctg
                                                                      300
                                                                      360
getactetge etgaagaage ttacagteca tttgtaacag gatgtgcaac taggttattt
cagectgaag gteetcaagg tgtatgetag tetagetgte aaaggaggge ttettggaag
                                                                      420
                                                                      431
attatqaqtt a
```

```
<210> 2113
<211> 1992
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15) ... (1380)
<223> similar to gi9916 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2113
aaatatactt acttagaact tcccttcatc gagaaagaga acaagcgcaa caacttcatc
                                                                       60
aacttcttgc attgaaagaa caggaacaca ggaaggaact tgaaacaagg gagtttttta
                                                                      120
ctgatgctga cttccaggat gccttagcta aagaaatagc caaagaagag aaaaagcatg
                                                                      180
                                                                      240
agcaaatgat aaaagaatac caagagaaaa ttgacgtgtt aagccagcag tatatggatt
tagaaaatga attccgtatt gctttaactg ttgaagccag aagatttcaa gatgttaaag
                                                                      300
atggttttga aaatgttgca actgagttag caaagagcaa acatgctctt atttgggctc
                                                                      360
aacgaaaaga aaatgagtot toototttaa ttaaagatot gacctgtatg gtaaaggaac
                                                                      420 -
aaaaaacaaa actggcagaa gtttctaaat tgaaacaaga aacagcagca aatttacaga
                                                                      480
                                                                      540
atcaaatcaa caccettgaa attttaattg aagatgacaa gcagaagagt attcaaatag
aacttotoaa goacgaaaaa gtooagotta tttotgagot agoagocaag gaatcactaa
                                                                      600
tatttggttt aaggacagaa agaaaagtat ggggacatga gctggcacaa caaggatctt
                                                                      660
ctctagccca aaatcgtgga aaattggagg ctcaaattga gagtttatct agagagaatg
                                                                       720
                                                                       780
aatgtctgcg aaagacaaat gaaagtgata gtgatgcatt aagaataaag tgcaaaatca
                                                                       840
tagacgacca aactgaaact attagaaaat taaaagattg tttacaagaa aaagatgaac
                                                                       900
acatcaaaag attacaagaa aagatcacag aaatagaaaa atgcactcaa gaacaacttg
                                                                       960
atgaaaaatc ttcacaactg gatgaggtac ttgagaagtt ggaaaggcac aatgaaagaa
aagaaaaact aaaacaacag ttgaaaggaa aggaagtaga acttgaagaa atcagaaaag
                                                                      1020
cttacagtac actgaatcgg aagtggcatg ataaaggaga acttctatgt catcttgaaa
                                                                      1080
cacaagtaaa agaagtgaaa gaaaaatttg aaaacaagga aaagaaactt aaagcggaaa
                                                                      1140
gagacaaaag tattgaacta caaaagaatg caatggaaaa acttcatagt atggatgatg
                                                                      1200
                                                                      1260
cctttaaaag acaagttgat gcaattgttg aagctcatca agctgaaata gcacagctgg
                                                                      1320
ccaatgaaaa gcagaagtgt attgattctg caaatttaaa ggtccatcaa attgaaaaag
                                                                      1380
aaatgcgtga acttttggaa gaaacatgca agaacataaa aacaatggaa gcaaaaatta
agcaacttgc ttttgcttta aatgaaattc agcaagatat gtgatggttc tgagaatgaa
                                                                      1440
tttaattgaa atagaccagc agacctattg taaaaatgat taaatattgt aatagtagta
                                                                      1500
actgctatga ctttgaaatg tctctttcta tacatttcat tatgaatata tttttaaaga
                                                                      1560
                                                                      1620
cttttgatca agtattaatt gtataggttt tttataataa attgttgaca attttgtcta
ttagaaaaaa ctatcataac tagacttaca atatttttct tgtttctgta ctatacgttg
                                                                      1680
tttggtaatt acacatttgc ctacaaattt gtgaatgaaa agattagtat tttcaccata
                                                                      1740
tgaggtaaaa cattttaatc attgttatct tattgtgatg atgaagaact aattatattt
                                                                      1800
gitatttaat tgatgtaget caattetttt aaagtaetta tgtagecaaa aageatttga
                                                                      1860
                                                                      1920.
aatctgtatg ataaaagatg tggcattctt aagaaagtat atgtagccat ctccacatca
ctcattatga ccccttcttt tataatgctt atatcttttc attaaagatt acatttaagg
                                                                      1980
                                                                      1992
ttttataaaa aa
```

```
<210> 2114
<211> 1013
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1014)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (709)...(900)
<223> similar to gi4079809 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

<400> 2114

```
tgggcggggt ccctcagggg gcccagcctc caagcctcag cctccattca gggagtagtg
gagtcctgga gccaggcgga gcagaggtgg gcccactggt gctagaatcc agtggtgtaa
                                                                      120
                                                                      180
acctagtgaa aaactcattt tgttaatgca gatgcattaa acttggattg gaaactgtct
                                                                      240
ctactaaaat tacaaaaaga gtatttaagt ggtgcagatt aaatataagc aagattgtgg
                                                                      300
agatatttaa aacacgaaat taaaaatata atagatgcac tgttgcaaat tactatttga
attatagatc attttcctat tgcctagaaa caatacatag ctaaaattcc ctaactactt
                                                                      360
                                                                      420
ttacgacaca tatttagaag gttttaaaaa tgtctgtagt cccagctatt cggcagggca
                                                                      480
aggcaggaga atcacttgag cccaggagtt ttagaccagc ctgggcaaca tagtgagggc
ccatctctaa aaaaaacaaa aaaaaagaaa acttcggaaa tgtttcttga actaacttaa
                                                                      540
                                                                      600
aagccgcctt gcacttctca ctttgaatta gtttgaatta atttacaaac tgcaatatat
tttaaaggag cttattgtag aaaataagtt gataaaaaaa taaggatata tctttaggga
                                                                      660
                                                                      720
tttqtcttta gggacttgtt accaagcatg tctattttcc ctcctgcagc ttctccaaac
                                                                      780
aggetgetgt acagggagea acaccggage tggtgcacge tggggtttgt gcagagcate
geteteacge tgeaggtgtg eggegeeete ageteeetge agtggateae getgeteatg
                                                                      840
aaggtegtgg aagggeaege accetteaet gecacetege tgeagaggea ggtaatgtge
                                                                      900
tgccaggcaa aaccagttcc ctgagagagg cctccatgta ctgaagttcc ctgccctcag
                                                                      960
                                                                     1013
agtcaggggc ctttattcan taacgagtgc agaaagggtc tagaagtgac agg
     <210> 2115
     <211> 389
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(390)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (121)...(207)
     <223> similar to gi3882195 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2115
atagaggttg tcagtgatta gactaagatg aattgtcatt cattgataaa taatacagaa
                                                                       60
ctatcagtct ttcctaggag tatggggagt tttgnnnnnn nnnnnaaagt ctctttttg
                                                                      120
                                                                      180
caggitatata aaaggaaaac tgaggctgcc aaaaaagagt atctgaaggc actggctgct
                                                                      240
tacaaaaaca accaggagtg tcaggtaaga gggataggat agaatgaata tttaaaccag
                                                                      300
taagaagttt tttggaagtg tttgttagca gttttaaaaa gtaaatacca ccaagggatt
                                                                      360
gattaattga tagattgatt tatgtcttct tttaggccac tgtggaaaca ggggaattgg
                                                                      389
atccagcacc accatcacaa actccttct
```

60

```
<210> 2116
<211> 1979
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(1796)
<223> similar to gi454154 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2116
                                                                       60
qcqqccqcct cqtgaccacc tccaatgcca tccctcctgc tgtggtagca actgtctcag
ccaccagage teagteteca gteateacta egacagegge geatgetaet gatteageae
                                                                      120
                                                                      180
ttaqtaqqcc aaccttgtct atccagcatc ctccatctgc agcaatcagt attcagcgtc
                                                                      240
ctgcccagtc acgagatgtc acaacaagaa tcacactacc atctcaccct gcattaggga
cgccaaaaca gcagcttcat acaatggctc agaaaacaat cttcagtact ggcacgccag
                                                                      300
                                                                      360
tggctgcage cacagtagea cetattttgg caaccaacae catteettea gegaceaeag
ctggatctgt gtcacacacg caagctccca caagtaccat tgttaccatg acagtaccct
                                                                      420
                                                                      480
cccattcctc ccatgctact gctgtgacca cctcaaacat cccagtcgcc aaggtggtgc
cccagcagat cacgcacact tctcctcgga tccagccaga ctaccctgcc gagaggagta
                                                                      540
                                                                      600
geotgattee cateteegga categggeet eteceaatee tgtggeeatg gaaaceegaa
gtgacaacag accgtctgtt cccgttcagt tccaatattt tttgccaact taccccctt
                                                                      660
                                                                      720
ctgcatacce actggcggca catacctaca ccccaatcac cagttccgtg tccactatcc
                                                                      780
gacagtatee agttteaget caggeteeaa actetgeeat cacageteag actggtgttg
                                                                      840
gggtagcgtc taccgtccac ctaaacccca tgcagttgat gacagtggat gcatcgcatg
                                                                      900
ctcgacatat tcaagggatc cagccagcac ccatcagtac ccagggtatc cagccggccc
ccattgggac cccagggata cagcctgcac cacttggcac acagggaatt cactcagcaa
                                                                      960
                                                                     1020
ccccaatcaa cacacaaggg cttcagcctg cacctatggg tactcagcag cctcagcctg
                                                                     1080
aaggaaagac ttcagcagtg gtgttggcag atggagccac aattgtggcc aaccctatta
                                                                     1140
qcaatccatt cagtqctgct ccagcagcaa caaccgtggt gcagacccac agccagagtg
ctagcaccaa cgctcccgcc cagggctcat cgccacggcc aagcatactc cggaagaaac
                                                                     1200
                                                                     1260
ctgccacaga tggaatggca gttcggaaaa ccctcattcc tcctcagcct cctgatgttg
                                                                     1320
ctagtcctcg agtggaaagc tctatgcgga gtacgtctgg gtcacctagg cctgcaggtg
                                                                     1380
ccaaacccaa gtctgaaatc cacgtgtcta tggccactcc ggtcactgtg tccatggaga
                                                                     1440
ctgtatccaa tcaaaataat gatcagccta ccattgccgt ccctccaact gcccagcagc
                                                                     1500
ccccaccgac cattccaact atgattgcag cagccagtcc cccgtcacaa ccagccgttg
                                                                     1560
ccctttcaac cattcctgga gcggtcccca tcactccacc catcaccacc attgcagctg
                                                                     1620
caccacctcc atcagtcact gtgggtggca gtctttcctc cgtcttgggc cctcccgttc
                                                                     1680
ctgaaattaa agtgaaagaa gaagtagaac caatggatat catgaggcca gtttctgcag
                                                                     1740
tteeteeact ggetaecaae aetgtgtete catetettge attgetggea aacaaettgt
ccatgcctac aagtgaccta ccacctggtg cctccccaag gaaaaagcct cgaaagcaac
                                                                     1800
                                                                     1860
agcatgtgat ctcaacagaa gaaggtgaca tgatggagac aaacagcact gatgatgaga
agtocactgo caagagtott otggtgaagg otgagaagog caagtotoot occaaggagt
                                                                     1920
                                                                     1979
atattgatga ggaaggtgtg agatatgtcc cagtgcgtcc aagacccccc attactttg
```

```
<211> 650
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(205)
<223> similar to gi2588974 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2117
                                                                       60
aaggggacaa gtcaagaccg tgggcgagcc catcttaatg gaacttgaat atcacgccat
ggatgccctc gacctcccgg gatgtttccg aacaaggagt cacagctacc ttcgagccat
                                                                      120
tcaagccggc tactcccaag atgacgaatg tattcccatg atgacaccct ctgacatcac
                                                                     180
                                                                      240
ctccaccatc aggtcaacag caggtaaggg gacgcccgtt ttcagccttt ccagcgggga
ctctagaggc atacetgtct tetteetaga aggagegage ageacaeage ageacagtae
                                                                      300
aatgtactct cctgacattt agtaacgttt cctaattgct tgtgttacac tgtcacattc
                                                                      360
gcaagggtgt tttgtctcgg gtagatacac ctttctttt cttagaatga aatctactca
                                                                      420
ttagcaaggt tccttaaaat aatcaagtgt aacttgtgta aagttttaga gaggagaaaa
                                                                      480
                                                                      540
aatggaagtg ctagcatttg gaaggtgatt aagttttaaa taccaaagtt taatggattg
cagtgagatt tetgetgatg egeagtgtet etegeaagge cettaagttg ggteeegeea
                                                                      600
gtgttttgcc agttaagccg ttgtacgggt acggacattg aattcgtaat
                                                                      650
```

```
<210> 2118
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) . . . (393)
<223> n = a,t,c or g

<220>
<221> misc_feature
<223> in = a,t,c or g
<220>
<221> misc_feature
<221> misc_feature
<222> (31) . . . (120)
<223> similar to gi5762305 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 2119
<211> 972
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (423)...(693)
<223> similar to gi2224703 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2119
ggttttgcct taggttgaag ctttctaacg aggagatccg gcaggccatc ttgaagatgg
                                                                       60
atgagcagga ggaccttgct aaggacatgc tggagcaggt gaggaccctc gtgggaagga
                                                                      120
aggggaactg aacccagegg geagecaege ceetteecaa eageceecag gaggetgega
                                                                      180
                                                                      240
ttcttgggtc aaggagaaat caggctggaa gagttaggga gaaggtttat agaagcctcc
ctgggccggc ctttcttggg gaaagctgga aaaggctaag tgttctccag gagtcattct
                                                                      300
                                                                      360
cccatctgac tccaaggcaa agtcagatga ggaaaagtga catcttcccc aaatétette
cctctcagtt ttttggatcc tttgggaaac cagttgcttg tgtgacttgc gcctgctctt
                                                                      420
tgcagctcct caagttcatc ccagagaaga gtgacattga cctccttgtc tacaggattg
                                                                      480
accactacca gcagcgactg caagccctct tcttcaagaa gaaattccag gagcggctgg
                                                                      540
                                                                      600
ctgaggcaaa gcccaaagtg gaaggtaggg ctgagggttg caggaggctt agagtggaga
gttatctgat catgatcctg gagaagcatt ttcctgatat tctaaacatg ccttcagagc
                                                                      660
                                                                      720
tgcaacatct tccagaagcc gccaaagtca agtgagggtt ctctccaaga cttccttctc
cccatgatga ccctcattct tgtcttactt tcctcttttg gggtctactc tgggcttgat
                                                                      780
                                                                      840
qatqqctqqt gtgagacctc ggttcttgtc ttctgagttc aaaagaattt aaacagacac
                                                                      900
acaqcaaaqq qqqtttagca tagaacaatg tattgcaaaa gaagatatct tgtgagttag
                                                                      960
qtqcaqaata qacagtacac cctgagagag agaggattca gggtgggctg cttgtaagga
                                                                      972
attacaccgc ac
```

```
<210> 2120
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(194)
<223> similar to gill96814 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2120

```
qcggtggaat tcccctaggc actgactacg tgcacaagtt tgtgggcaaa gagccaagtg
                                                                      . 60
qcctgcgcta caacaagctc tccctcaatg aggaaggaat cccccataac cccatggtca
                                                                      120
                                                                      180
atgctggtgc cattgttgtc.agctccctga tcaagatgga ctgtaacaaa gcagagaagt
ttgattttgt aagtteeett getaettage eeetggetge atttegeeat ggeatgetgt
                                                                      240
cottctccage tgccccagtg getetetaac cocactacca ggtgcaccag cccatactag
                                                                      300
aagcettatt tecagaaatg tggaaatetg etggeeteaa gagaggaaag eetettgaca
                                                                      360
agacctgagt tcagaagggc tagtcaacct gtgaggtatt aatagagctt cttaaccaag
                                                                      420
                                                                      480
tggagcctca atgtcccttt ttctcttcca ggtgttgcag tatctcaaca aaatggctgg
gaatgaatac atgggtttca gcaatgccac gtaagtccct actcagagga ctgactgaaa
                                                                      540
gcattgtggt gtatgtgtgt gtacttagga tggggacaag aggaatgggg gagagagaat
                                                                      600
cttaggagga agaaatccca ggggaacttt ggccctccag cttcctctga gtcccttcat
                                                                      660
                                                                      683
aaacatttgt ttatcttgta aaa
```

```
<210> 2121
<211> 561
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(562)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (151)...(292)
<223> similar to gi1698455 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2121 -
                                                                       60
ccgcccacgc gtccgcccac gcgtccgccc aaaccaacaa aacccttcac ctaaaacccg
                                                                      120
aagctaccca gacctcagaa ttttggatgt ctattaagtt ggcggtcccc agcagnnnnn
nnnnnnnn nnnnnnnnn nnnnnnnnat cctgaagcat ttcatcaaag aattgtaaca
                                                                      180
                                                                      240
qqaqatqaaa catgqcttca ccagtatgat cctgaagaaa aagcacaatc aaagcagtgg
                                                                      300
ctatcaagag gaggaagtca aagcaaagca gaccagtcaa gagcaaaggt tggagtggct
ctggtgacaa ctcactctgt tctcatggtc acaaatccct gctcactgct gccactgctg
                                                                      360
                                                                      420
ctgccaccac agaccaagag ctccacttgc acagtgctgc tggctaagaa gaagttgctg
                                                                      480
tacctgagca ctggaccaca tggactcaca gagactccca accaggtaaa ggggtgatat
                                                                      540
ggettgtgga tgtcaaccat attetettet tgateacete getgetggaa caatgggeea
                                                                      561
tggtcagagt agagtggtca t
```

```
<210> 2122
<211> 471
<212> DNA
```

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (3)...(405)
<223> similar to gi182074 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2122
cagctgcagg ctttgtggtc tttcagggaa ataagagaat ccatttgata aaatggccag
atgtctgcaa attgaagttt gaagggaaga cattttatgt gattggcacc cagaaggaga
                                                                     120
aaaaagccat gttggcattc catacttcaa caccagctgc ctgcaaacat ctttggaagt
                                                                     180
gtggagtgga aaaccaggcc ttttataagt atgcaaaatc cagtcagatc aagactgtat
                                                                     240
caagcagcaa gatattttt aaaggaagta gatttcgata tagtgggaaa gttgccaaag
                                                                     300
aggtggtgga ggccagttcc aagatccaga gggagcctcc tgaggtgcac agagccaaca
                                                                     360
ttactcagag ccgcagttcc cactcctttg aacaaacagc tcatcattaa catggaaccc
                                                                     420
ctgcagcccc tgctttcttc ccccagcgag caagaagaag aaacttctct g
                                                                     471
```

```
<210> 2123
<211> 615
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(605)
<223> similar to gi2384711 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2123
                                                                       60
gggtgacacc gccatgattt ccacaagcac ctctgaaggg tgtgaagcag tcatgattgg
                                                                      120
tgctgtcctc caggatgaag atcggctcac catcacaaga gtagaagact tgagcgatgc
                                                                      180
tgccatcatc tccaccagca cagcagaatg tatgccaatt tccgccagca ttgacagaca
                                                                      240
tgaagagaat cagctgactg cagacaaccc agaagggaac ggtgacctgt cagccacaga
                                                                      300
agtgagcaag cacaaggtcc ccatgcccag cctaattgct gagaataact gtcggtgtcc
tgggccagtc aggggaggca aagaaccggg tcccgtgttg gcagtgagca ccgaggaggg
                                                                      360
                                                                      420
gcacaacggg ccatcagtcc acaagccctc tgcagggcaa ggccatccaa gtgctgtttg
tgcggaaaaa gaagagaagc atggcaagga gtgccccgaa ataggaccat ttgcaggaag
                                                                      480
                                                                      540
aggacagaaa gagagcactt tacacctcat aaatgcagaa gagaagaatg tattgttgaa
ctccttcag aaagaagata agagcccaga gacagggaca gcagggggca gtatcacagc
                                                                      600
                                                                      615
aagttattca gcagg
```

```
<210> 2124
<211> 444
```

## <220> <221> misc\_feature <222> (3)...(447) <223> similar to gil736499 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2124
aadagaacga aattegtteg etettacetg aagecagtga geegattgat caagetgeac
aagaagatga agccattccc caggacgaac tggatgacaa aatcgccggt gaagcgggcg
                                                                      120
                                                                      180
tgcatgaata tgttgtttcc actggcgata cgctaagcag cattctcaat cagtatggta
ttgatatggg tgatatcacc caactggctg cggccgacaa agaattgcgt aacctgaaaa
                                                                      240
teggtcaaca actetectgg acattaaccg eggacggega actgeagege etcacetggg
                                                                      300
aagtgtctcg tcgtgaaacc cgaacctatg accgtactgc cgctaacggt tttaaaatga
                                                                      360
ccagcgaaat gcagcaagga gagtgggtta acaatctgct gaaaggtacc gtcgggggaa
                                                                      420
                                                                      444
gctttgttgc cagcgccaga aacg
```

```
<210> 2125
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (295)...(399)
<223> similar to gi1736450 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2125
gcgaggaatt ccaagcccag agctgctctg cgcaagcgcg accgaccgag cagctccgag
                                                                       60
gagtccgccc ggaaacaaac attccccagg gcaatgtcac gacttggtct tcccgaggag
                                                                      120
ccagtcagaa acagtttgct agatgatgct aaggcccgct taagaaagta tgatattgga
                                                                      180
ggcaaatatt ctcacttgcc atataacaaa tactccgtcc ttttgccatt ggtggctaaa
                                                                      240
gaaggaaaac tccatttgtt gttcaccgtc cggtcagaga agacagatac attgataact
                                                                      300
ccatttgtgg gtttaataga ccacaacttc caggcccagc cgaatcctgc tgaagttaag
                                                                      360
                                                                      420
gatgtattcc tggtgcctct ggcctatttc ctgcatccac aggtccatga ccagcattac
                                                                      480
gtcacacgtc ttggtcaccg ttttattaat catatctttg agtacacaaa ccctgaagac
                                                                      521
ggtgtcactt accagatcaa gggaatgacg gcaaaccctg c
```

```
<210> 2126
<211> 996
<212> DNA
```

```
<400> 2126
ggggccnaat cgagatcgta ggcagtgcgg nggaactcca aaccgcccac ccagccaggg
                                                                       60
                                                                      120
qcqaaqqqac agcagctcat cctcctgcct ccctgccctg cagggtcctg agaatggaag
agtttttccc agagacctac cgcctggacc tcaaacacga gagagaggcc tttttcacct
                                                                      180
tgtttgatga aacccagata tggatctgca agcccacagc ctccaaccag ggcaaaggca
                                                                      240
                                                                      300
tetteetget ceggaaccag gaggaagttg cegecetgea ggccaagace eggagcatgg
aggacgaccc catccaccac aagacgccgt teegggggcc teaggegegg gtggtgcaga
                                                                      360
                                                                      420
ggtacatcca gaacccgctg ctggtggacg ggagaaagtt tgacgtgcgc tcctacctgc
tcattgcctg caccacaccc tacatgatct tctttggcca cggctatgct cgcctcaccc
                                                                      480
                                                                      540
ttageettta egaeeeeeat teeagegaee teggeggeea ettgaeeaae eagtteatge
agaagaagag ccctctgtac atgctgctga aggagcacac ggtgtggagc atggaacacc
                                                                      600
tcaaccgcta catcagtgac acgttctgga aggcccgggg cctcgccaag gactgggtct
                                                                      660
tcaccaccct caagaagegg atgeageaga teatggeeca etgetttetg geegeeaage
                                                                      720
ccaagctgga ctgcaagctg ggttactttg acctcattgg ctgtgacttc ctgattgatg
                                                                      780
                                                                      840
acaacttcaa ggtatggctg ctggagatga attctaaccc agccctgcac accaactgcg
aggtcctgaa ggaggtcatc ccaggtgtgg tcatcgagac cctggacctg gtgctcgaga
                                                                      900
                                                                      960
ccttccggaa gagcctgcgc ggccagaaga tgttgcctct gctgtcccag cgccgcttcg
                                                                      996
tgctcctgca caacggtgag gccgacccgc ggccgc
```

```
<210> 2127
<211> 660
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(661)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (5)...(660)
<223> similar to gi3986194 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2127
                                                                       60
ggatcagagt atggaggaga atcaggactt aaagaaggaa ctgctgaaat gtaaacaaga
                                                                      120
agccagaaac ttacagggga taaaggatgc cttgcagcag agattgactc agcaggacac
                                                                      180
atctgttctt cagctcaaac aagagctact gagggcaaat atggacaaag atgagctgca
caaccagaat gtggatctgc agaggaagct agatgagagg aaccggctct tgggagaata
                                                                      240
                                                                      300
taaaaaagag ctggggcaga aggatcgcct tcttcagcag caccaggcca agttagaaga
agcactccgg aaactctctg atgtcagtta ccaccaggtg gatctagagc gagagctaga
                                                                      360
                                                                      420
acacaaagat gtcctcttgg ctcactgtat gaaaagagag gcagatgagg cgaccaacta
                                                                      480
caacagtcac aacteteaaa geaatggttt teteetteea acggeaggaa aaggagetae
                                                                      540
ttcagtcagc aacagaggga ccagcgacct gcagcttgtt cgagatgctc tccgcagcct
                                                                      600
gcgcaacagc ttcagtggcc acgatectca gcaccacact attgacagct tggagcaggg
catttctagc ctcatggagc gcctgcatgt tatggagacg canaagaaaa aaaaaaaag
                                                                      660
```

```
<400> 2128
ggaatteetg tgeteatgge etgeatgaeg etgetgeeea eetggttggg aggegeteee
                                                                   60
ccaggccctc ccggccccga catctcctcg ccctgcggct cctataaccc ccactcccag
                                                                  120
                                                                  180
ggcctggtca cctttgccac ccagctcttc aacttgctct cgggtgaggg ttacctggaa
tggtcccctc tcttctatgg cttctacccg ccccgcccac gcctggcggt cacctacctg
                                                                  240
tgctgggcct ttgccgttgg cctcatctgc ctcctgctca tcctgcatcg ctcggtgtct-
                                                                  300
                                                                  360
gggctgaagc agacactgct ggcggagtcc gaggctctga ccagctacag ccaccgggtg
ttctcggcct gggacttcgg tctctgcggg gacgtccacg tgcggctgcg ccagcgcatc
                                                                  420
                                                                  480
atcttgtacg aattaaaggt ggagctggag gagacagtgg tgcggcca ggctgcggtg
                                                                  540
cggacgctgg gccagcaagc cagggtttgg ttggtgcggg tgctgctcaa cctgctggtg
                                                                  600
gtegegetee tgggggeage ettetatgge gtetaetggg etaeggggtg caeegtggag
                                                                  660
ctgcaggaga tgccccttgt ccaggagttg ccactgctga agcttggggt gaattacctt
                                                                  720
ccgtccatct tcatcgctgg ggtcaatttt gtgctgccgc ccgtgttcaa gctcattgct
                                                                  780
ccactggagg gctacactcg gagtcgccag atcgttttta tcctgctcag gaccgtgttt
                                                                  840
900
ggcgactccg aggctgagga ctgcaaaacc ngtggctaca attacaaaca acttccgtgc
                                                                  960
tgggagactg teetgggeea ggaaatgtae aaaettetge tetttgatet getgaetgte
ttggcagtcg cgctgctcat ccagtttcct agaaagctcc tctgtggcct ctgtcctggg
                                                                 1020
gcgctgggtc gtctggcggg gacccaagag ttccaggtgc ccgacgaggt gctggggctc
                                                                 1080
atctacgcgc agacggtggt ctgggtgggg agttttttct gccctttact gcccctgctt 1140
```

```
aacacggtca agttcctgct gcttttctac ctgaagaagc ttaccctctt ctccacctgc
                                                                     1200
                                                                     1260
tecceggetg ecegeacett eegggeetee geggegaatt tettttteee ettggteett
ctcctgggtc tggccatctc cagcgttccc ctgctttaca gcatcttcct gatcccgcct
                                                                     1320
                                                                     1380
tctaagcttt gtggtccatt ccgggggcag tcgtccatct gggcccagat ccctgagtct
atttccagcc tccctgagac cacccagaat ttcctcttct tcctggggac ccaggctttt
                                                                     1440
getgtgeece ttetgetgat etceageate etgatggegt acaetgtggg etetggetaa
                                                                     1500
                                                                     1560
ctcctacgga cgcctcatct ctgagctcaa acgtcagaga cagaacggaa ggcgcaggaa
taaagtette egtggeaegg egegetgtgg egetgaeete caccaaaceg getetttgae
                                                                     1620
ccccqcaqcc cacgtcccgc tttcagaccc caggccccat tgtaagccta ggtcacaaca
                                                                     1680
                                                                     1740
atctgtaaac taggagaact ggagaagact ccacgccctt ccagctttgg tatctggaga
                                                                     1800
tttccagggc ccctcgccgc cacgtccctg actctcgggt gatcttcctt gtatcaataa
                                                                     1839
atacaqccga ggttgctgag cgcgctttga aaaaaaaaa
```

```
<210> 2129
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(273)
<223> similar to gi4589506 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2129
                                                                       60
aatcqaqatc catagtcagt gcggtggaat tcctcacagg aaattaggaa tggctggcca
gaagttgggc tecteegete teetgtgeta cateegeeet gacactgeeg ateeageaag
                                                                      120
                                                                      180
tagetttage ttgactgtag ccaatgttgg cacgtgccaa gcagtcctgt gccgaggtgg
gaagccagtg cccctctcta aagtcttcag cctggagcag gacccagagg aggctcaaag
                                                                      240
                                                                      300
qqtqaaqqac caaaaagcca tcatcacaga ggttccggaa gatctcaaag agttccagac
cacagatatt ccggtgcatc actgtaactt cccggctgtt ctcggctgcc tttgtagcgc
                                                                      360
ttctgttctc ggtagctacg cagggccagc accacgctgg cgccgtacat gatcacgaga
                                                                      420
agacaagcaa aggtggctgc tgctccgtcg gtgcctgcca gctggg
                                                                      466
```

```
<210> 2130

<211> 465

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(466)

<223> n = a,t,c or g

<220>

<221> misc_feature
```

<222> (2)...(134) <223> similar to gi3005558 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2130
nttgatggcc cgccggcgga tgcctcgctc caactcccag gagaacgtgg aagcgtcccn
cccatcccag gatgggaaaa ggcagtacaa gatgatctgc cacgtcttcg agtctgagga
                                                                    , 120
tgtaagggtt gcttcctttg atctcctttt gggttaggtt ctcttgactt ctcagaacct
                                                                      180
gattcagtct aattcatcac acatgatgca tgtatttatt gtgcacgtac tgtgtgtcag
                                                                      240
gcactgttcc agcactagag atataaggct gagtaaaaca gacagggtac tcatcgcaag
                                                                      300
ggctgaaagg aggcagaaaa tcaataggta aatatactta atgtaaaatt gggtagtggg
                                                                      360
gagtgeteca cagacaaata aaacagggte aggggatgga gggacagggg etatggaatt
                                                                      420
                                                                      465
ccaccacacg gactagggat catcgatctc aattnnnntc cccca
```

```
<210> 2131
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (294)...(401)
<223> similar to gi1665767 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2131
acttctgcag ggccatcggg cctcaggtgt gcagaagatg tggcctctct ggcctcttct
gcgccaggga ccctggcttc cccttggtgg ctgcccaagt tttctgactc tccaagcacc
                                                                      120
                                                                      180
actetqtaqt ttaqqtttgt etaaagetea gttttggtgg caaetgeaet gtgeegeete
                                                                      240
equatqtttt etqteqaqte tgtetgtgea gtgettetgg etcaeaagga geetgagaag
                                                                      300
tatctcctga attctcctcc ctggaatcac ccgcttgcta ttttcttctg caggatgtct
atgcctacac acaagttgga gttccagact gtagaatatt caccgtgaac cccaagggtg
                                                                      360
aattaataca agaaagaacc aaaggaaaca agtcatcgta agtacattct cagctctcag
                                                                      420
                                                                      452
cccggcgccc gaattccacc gcactgggct aa
```

```
<210> 2132
<211> 1641
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (5)...(1641)
```

<223> similar to gi3242705 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2132
                                                                       60
qcqqccqctg ctcactgacc tctaccaggc caccatggcg ttgggctatt ggcgcgcggg
                                                                      120
ccqqqcqcqq gacqccqccq aqttcqaqct cttcttccqc cqctqcccqt tcqqcqqcqc
cttcgccttg gccgccggct tgcgcgactg tgtgcgcttc ctgcgcgcct tccgcctgcg
                                                                      180
ggacgccgac gtgcagttcc tggcctcggt gctgccccca gacacggatc ctgcgttctt
                                                                      240
cgagcacett cgggccctcg actgctccga ggtgacggtg cgagccctgc ccgagggctc
                                                                      300
cetequette eceggagtge egeteetgea ggtgteeggg eegeteetgg tggtgeaget
                                                                      360
getggagaca cegetgetet geetggteag etacgceage etggtggeea ceaaegeage
                                                                      420
geggettege ttgategeag ggeeagagaa geggetgeta gagatgggee tgaggeggge
                                                                      480
teagggeece gatgggggee tgacageete cacetacage tacetgggeg gettegacag
                                                                      540
cagcagcaac gtgctagcgg gccagctgcg aggtgtgccg gcggccggga ccctggccca
                                                                      600
ctccttcgtc acttcctttt caggcagcga ggtgccccct gacccgatgt tggcgccagc
                                                                      660
                                                                      720
aqctqqtqaq qgccctgggg tggacctggc ggccaaagcc caggtgtggc tggagcaggt
                                                                      780
qtqtqcccac ctqqqqctqq ggqtqcagga gccgcatcca ggcgagcggg cagcctttgt
                                                                      840
qqcctatqcc ttggcttttc cccgggcctt ccagggcctc ctggacacct acagcgtgtg
                                                                      900
qaqqaqtqqt ctccccaact tcctagcagt cgccctggcc ctgggagagc tgggctaccg
                                                                      960
qqcaqtqqqc qtqaqgctgg acagtggtga cctgctacag caggctcagg agatccgcaa
ggtcttccga gctgctgcag cccagttcca ggtgccctgg ctggagtcag tcctcatcgt
                                                                     1020
                                                                     1080
agtcagcaac aacattgacg aggaggcgct ggcccgactg gcccaggagg gcagtgaggt
gaatgtcatt ggcattggca ccagtgtggt cacctgcccc caacagcctt ccctgggtgg
                                                                     1140
                                                                     1200
cgtctataag ctggtggccg tggggggcca gccacgaatg aagctgaccg aggaccccga
                                                                     1260
gaagcagacg tigcctggga gcaaggctgc tttccggctc ctgggctctg acgggtctcc
actcatggac atgctgcagt tagcagaaga gccagtgcca caggctgggc aggagctgag
                                                                     1320
ggtgtggcct ccaggggccc aggagccctg caccgtgagg ccagcccagg tggagccact
                                                                     1380
actgeggete tgeetecage agggacaget gtgtgageeg eteceatece tggeagagte
                                                                     1440
                                                                     1500
tagageettg geecagetgt eeetgageeg aeteageeet gageacagge ggetgeggag
                                                                     1560
ccctgcacag taccaggtgg tgctgtccga gaggctgcag gccctggtga acagtctgtg
                                                                     1620
tgcggggcag tccccctgag actcggagcg gggctgactg gaaacaacac gaatcactca
                                                                     1641
cttttcccca caaaaaaaaa a.
```

```
<210> 2133
<211> 1279
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(1143)
<223> similar to gi1657835 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2133
aatagtcgac cgttgtggaa ttccactgaa agaagctgag agcctacaag ttgcagtgaa 60
ggcttcacag atgggcgccg tgagtcaatc atgtgaggac agttgtggag actctgtctt 120
```

```
ggcggacaca ctcagttctc atgatgtacc aggatcaccg actgcctcat tagtcacagg
                                                                      180
agggagagaa ggaagagget gtteggatgt ggateeeggg ateeagggtg tggtaaeega
                                                                      240
                                                                      300
cttggccgtc tctgatgcag gggagaaggt ggaatgtaga aattttccag gttcttcaca
                                                                      360
atcagagatt atacaagcca tacagaattt aacccgtctc ttatacagcc ttcaggccgc
                                                                      420
cttqaccatt caggacagcc acattgagat ccacaggctg gttctccagc agcaggaggg
                                                                      480
cctqtctctc ggccactcta tcctccgagg cggccccttg caggaccaga agtctcgcga
                                                                      540
cgcggacagg cagcatgagg agctggccaa tgtgcaccag cttcagcacc agctccagca
                                                                      600
ggagcagcgg cgctggctgc gcaggtgtga gcagcagcag cgggcgcagg cgaccaggga
gagetggetg caggageggg agegggagtg ccagtegeag gaggagetge tgetgeggag
                                                                      660
ccggggcgag ctggacctcc agctccagga gtaccagcac agcctggagc ggctgaggga
                                                                      720
gggccagcgc ctggtggaga gggagcaggc gaggatgcgg gcccagcaga gcctgctggg
                                                                      780
ccactggaag cacggccggc agaggagcct gcccgcggtg ctccttccgg gtggccccga
                                                                      840
ggtaatggaa cttaatcgat ctgagagttt atgtcatgaa aactcattct tcatcaatga
                                                                      900
agetttagta caaatgtcat ttaacacttt caacaaactg aatccatcag ttatccatca
                                                                      960
                                                                     1020
ggatgccact taccctacaa ctcaatctca ttctgacttg gtgaggacta gtgaacatca
agtagacete aaggtggace etteteagee ttegaatgte agteacaaac tgtggacage
                                                                     1080
                                                                     1140
cqctggttcc ggccatcaga tacttccttt ccatgaaagc agcaaggact cttgtaaaaa
tggtaattaa cactttaaac atcatctgta tagtttgaac aagaagttgt ccctctgaat
                                                                     1200
                                                                    1260
qqttgqctct tgtgtagagt gaatcaaagt cctccctagc atgggaataa atcggtactg
atgagctgga aaaaaaaaa
```

```
<210> 2134
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (63)...(188)
<223> similar to gi1780991 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2134
ggcggaattc aaaagcaatg cacaggtctt cctgtgacgg gccgctactc tctctgccct
                                                                       60
                                                                      120
cagtgggacg gtcagccacc catgccctgg tccaggccca gctgatctgc tcaggagcca
ggcggggcat gcacgctttt attgtgccaa tccggagtct tcaggaccac accccactgc
                                                                      180
                                                                      240
caggtaagec cataatgete ceteaaggaa ceetgecagg aggagageec aggtggeete
cctgacctgg ggccccagag ggccacagga gtagctaaga catgtctccc ttgggcaggg
                                                                      300
ageggtecag ttggacagae ttggtgetaa etggetaggt gaaettgage aagatttage
                                                                      360
                                                                      420
atctttctga cctcagcttg ttcacctgca aaataggtac aataatccca gtgtcacagg
                                                                      425
ctgct
```

```
<210> 2135
<211> 681
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2)...(146)
<223> similar to gi4589634 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> '2135 caaccagatt ggatctggtt cctcgcgtct tggaacggca gcagctatta aaggagatac 60 aggcgctgct aagacttctg atgatatcag tttaagtgtg ggccaaagtt atagtctttg 120 taaggaagga agtgaagaac aaggtaagag cgttatactt taccatgatg tcatatactg 180 tggtgaccag agttaatttg tagaatatgc tgcatacaat ttggcagaag tttataacaa 240 300 tttaatatga tatttaagga aacattaaca taaaatgtta tggtgatagt agtaatacag agttacacat gcttttagct tacttgaact cagttataca tgttctgcca gataaacatg 360 gagagagaaa ttctatgagc atatgccccg gagtgaatat gagatgggag ataagaatct 420 gctattettt tagttggtea gaccaactag cecagettag ggataaceta gtatgtaaaa 480 ctgttacttt ccattcagta cgatctctaa atgccagctg cttcatctct tgccaactgc 540 600 aaaaacagca ataagttttg acatagtgtc ttagtccatg tgcattgcta taaagaaata cctgagattg ggtgccttgt acttgggtgc ttttttggaa ttacagtacc ctatcattgg 660 681 ttctttgctt ctgtggactg g

```
<210> 2136
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> similar to gi4406218 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 2136
ggacatggac atatcctggg gggaacaaaa aatggagaga ttctggaaat tgataagagt 60
ggcccaatga cactgcttgt tcaggggcac atggaaggag aagtgtgggg gttggcagct 120
caccctctcc tgcccatctg tgcaacagtg agcgatgata aaacacttcg catctgggaa 180
ctatctgccc agcaccgtat gctggcagta cggaaactca aaaaaggtgg aagatgctgt 240
gccttttccc ctgatgggaa agccttatcg gttggcttga acgatgggag tttcctggtg
gtaaatgctg acactgttga agacatggtc tctttccatc acagaaaaga aatgatctct 360
gatattaagt tttcaaaaga tacgggaaaa taccttgccg tggc 404
```

<210> 2137 <211> 1352

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(825)
<223> similar to gi5689485 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2137
aaatgttgtc atttacagga aaatttgaat tctcatgttc tgattctttc tctgcaactt
                                                                       60
tctaaagctg agagtaagtt cagagtcctc gaaactgagc tccattacac aggagaggct
                                                                      120
ctgaaagaaa aggctttggt ttttgaacac gtgcaaagtg agctaaagca aaaacagagt
                                                                      180
caaatgaagg acattgaaaa aatgtacaaa agtggataca atacaatgga aaaatgcata
                                                                      240
qaaaaqcaqq aaagattttg tcaactaaaa aaacaaaata tgttgcttca acagcaactg
                                                                      300.
gatgatgctc gcaacaaagc tgacaatcaa gaaaaagcaa tacttaatat tcaagccaga
                                                                      360
tgtgatgcta gagtacaaaa ccttcaagct gagtgcagaa agcaccgtct tttactagaa
                                                                      420
qaaqacaata aaatgttggt caatgaactg aatcattcga aagaaaaaga atgccaatat
                                                                      480
qaaaaaqaqa aaqcagaaag agaagtagct gtgagacagc ttcaacaaaa acgagatgat
                                                                      540
gtcttaaaca aaggatcagc aacaaaagct ctgctggatg cttcatcgcg tcactgcacc
                                                                      600
tatttagaaa atgggatgca ggattcaagg aagaaattag accagatgag aagtcaattt
                                                                      660
                                                                      720
caagaaatac aggatcaact tacagctact ataagatgta ctaaggagat ggaaggcgac
                                                                      780
acacaaaagc ttgaagtaga acatgtgatg atgagaaaaa ttattaaaaa acaggatgac
                                                                      840
caaattqaqc qqcttqagaa aatcctgcag cattcaagtt tgatgctgca ggtgtttgag
agctagatga aggtatgttg ccaaaattta tgaattaaat tcaaatcatt gatttctgaa
                                                                      900
                                                                      960
ataaactcta agtagtgaac ggtattccct ctcaattgct tggttaataa atgctacatt
aaatattttt tottacacac atotagtgaa agatgtgaaa acataaacat toatagtgaa
                                                                     1020
gggtatactt atgctttgtt aattcatcat gtttcatagc tttaaaaaaa tcgcaagaaa
                                                                     1080
totgtgtate cetttttte tggccetaca ettttettet gecaceceta tagaactgte
                                                                     1140
agectgeaca etgaaactgt teteagaaaa caaaggeate ateaacttet caaggttaag
                                                                     1200
gtagtgattt aaggctaaca gaccccacac tcatgtgata ataattagtt aagcaattac
                                                                     1260
aggtcacaag cagtcacttg tccagtgaca ttttaaatct ctagtcatga ctttgtcatt
                                                                     1320
                                                                     1352
ggtttacttt tgcccctggg aaaagttgaa aa
```

```
<210> 2138
<211> 325
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(88)
<223> similar to gi2852125 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2138
ttccagccat gaatgtcaat gactcagtca ccaaacagaa atttgacaac ctctactgtt

```
gccgtgaatc aattcttgat gggtaatgtt tattatcttt gagatgaagt tgtgatgtcc 120 agttgagatt ctaagttttt tggctttggt tatttctgga aaggattcat gtagcacctc 180 tggataatgt ctccataaag ccagagcttt gtcacctcgt aaattaaaat tacattattt 240 ttattttctc ctttgtatct tttctatttc taaatattat attttcaaaa tattatctaa 300 taaatgtatg ttgctttat gttta 325
```

```
<210> 2139
<211> 678
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(531)
<223> similar to gi3717260 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2139
aaqqaaaqtq gaacaagcta aaggtcttgg tttccaaaga tctacatttg cttgaggaaa
                                                                       60
ttgctctcac actcagagct tttgaggccg attcaacagt cattgagaag tggatggatg
                                                                      120
gcgtgaaaga cttcttaatg aaacagcagg ctgcccaagg agacgacgca ggtctacaga
ggcagttaga ccagtgctct gcatttgtta atgaaataga aacaattgaa tcatctctga
                                                                      240
                                                                      300
aaaacatgaa ggaaatagag actaatcttc gaagtggtcc agttgctgga ataaaaactt
gggtgcagac aagactaggt gactaccaaa ctcaactgga gaaacttagc aaggagatcg
                                                                      360
ctactcaaaa aagtaggttg tctgaaagtc aagaaaaagc tgcgaacctg aagaaagact
                                                                      420
                                                                      480
tggcagagat gcaggaatgg atgacccagg ccgaggaaga atatttggag cgggattttg
                                                                      540
agtacaagtc accagaagag cttgagagtg ctgtggaaga gatgaaggtg aggcggggac
gaccagtgcc aacaggette atgeeteect ecteeettta aaaccageae atcaatcate
                                                                      600
                                                                      660
tqtctatctq tcaaacacta tgtgcatgta gcatctttca cagtaggttt ttgaattaaa
                                                                      678
aaaacataac agggtatt
```

```
<210> 2140
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(99)
<223> similar to gil665779 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2140

```
cacctgtgtc acaaggctct cctgctagtt ctggaatagg cagtccaatg gcatcttcaa
                                                                       60
caataaccaa aatccacagc aaaagattta gagagtaagt tttatactca ttattgaggt
                                                                      120
tgaatagttt aaggatcttg attgtagttc tgaatttagt attgtcattg ttactcagtg
                                                                      180
agtcaagcag acaaaagacc agagatcttt aacgcctttc ggattttgtt taacagctgg
                                                                      240
gtttattatt taaagcattg ccttctgtca gctgttagta ttcacgtgag agtgatctga
                                                                      300
                                                                      360
cagtaagtat attetetta tateagatag tatttetatt etagaaatet agaetettaa
tatcttatat attaaatgtt gtactatcag ttttcctcct acaaatgctt ttgcttttt
                                                                      420
gtttatatta ttggcccttc aaaagatcac tctaaccaat taataggttt ctaagaccct
                                                                      480
attatatgaa gtgaacctat tacataaagc tatttgtgca agtatttcta agttcttaaa
                                                                      540
                                                                      600
ttgagataac tggggggatc acagaatatg ataccccatc tgtgaatagc tttaacagtt
                                                                      660
attgctgtga aggattttaa gattttaaca tttatgttga tgaattaatt ttacctttaa
aaatgacata tgaaagaatc ccagggtgaa agtataatct atgtgagg
                                                                      708
```

```
<210> 2141
<211> 2414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1572)
<223> similar to gi2655888 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2141
                                                                       60
ttctggtaca agtacacgta catggaggaa atgttgggaa acgttgccgg tgcccggcag
gtgtttgagc gctggatgga gtggcagcct gaggagcaag cctggcactc ctacatcaac *
                                                                      120
                                                                      180
tttgagctga gatacaaaga ggtggatcgg gcccgcacca tttatgagcg atttgtcctc
                                                                      240
gtgcaccctg atgttaagaa ctggatcaag tatgcccgct ttgaagaaaa acatgcttat
                                                                      300
tttgcccatg cacggaaagt gtatgagaga gctgtggaat tctttggaga tgaacatatg
                                                                      360
gatgagcacc tttatgttgc ctttgccaag tttgaagaaa atcagaaaga gtttgaaagg
                                                                      420
gtacgagtga tttacaagta tgccctggac agaatttcaa aacaagatgc ccaagaactc
                                                                      480
tttaaaaatt ataccatctt tgagaagaag tttggtgata ggcggggtat tgaagatatc
attgtgagca aacggagatt ccagtacgaa gaagaagtga aggcgaatcc acacaattat
                                                                      540
gatgcatggt ttgattactt gcgcttggta gaaagtgacg cagaagctga agccgtgaga
                                                                      600
gaagtctatg aaagggccat tgccaatgtc ccacccattc aggagaagag gcactggaag
                                                                      660
                                                                      720
cgctacatti atctttggat caactatgca ctctatgaag aattggaggc aaaggatcct
                                                                      780
gagaggacaa gacaggtgta tcaagcctct ttggaactaa ttcctcacaa aaagttcaca
                                                                      840
tttgccaaaa tgtggatact gtatgcacag tttgaaatac gacagaagaa tctgtcatta
                                                                      900
gccagaagag cattgggaac ttccataggc aaatgtccaa agaacaaatt atttaaagtt
tacatagaat tggagctaca gcttcgagaa tttgacagat gccggaagct ttatgaaaag
                                                                      960
                                                                     1020
ttcctggaat ttggacctga aaattgtacc tcatggatta aattcgctga attagagaca
                                                                     1080
atccttggtg atattgacag agcacgggca atctatgaat tagccatcag tcagccacgt
                                                                     1140
ttagacatgc cagaggtgct ttggaaatca tatattgatt ttgaaattga gcaggaagaa
                                                                     1200
acagaaagaa cacgaaacct ttaccggcgg ttgcttcaac ggacgcagca tgtcaaggta
                                                                     1260
tggatcagct ttgctcagtt tgagttgtct tcaggaaaag aaggaagttt gactaaatgc
                                                                     1320
agacaaattt atgaagaagc taacaaaacc atgcgaaact gtgaagaaaa ggaagagaga
cttatgctgc tggaatcttg gcgaagtttt gaagaagaat ttggaacagc ttcagataag
                                                                     1380
                                                                     1440
gagagagtag acaaactcat gccagagaaa gtcaagaaga gaagaaaggt ccagactgat
gatgggtctg atgcaggctg ggaagaatac tttgattaca tctttccaga agatgctgcc
                                                                     1500
```

```
aaccaaccta acctcaaact cctggccatg gccaaactgt ggaagaaaca gcagcaggaa
                                                                     1560
aaggaggatg ctgagcacca tccagatgag gacgtcgatg agagtgaatc ctgatctttt
                                                                     1620
                                                                     1680
tttcatagac aaatgttttg ttattttat aaattaattg tttggaactc ttgtgactcc
                                                                     1740
tggaagttct tatatatttc accagtaaga aattgattgg tatctttgat ggctactttt
taagttattt tttaaatgct cttgggttag ctaggggtag ggattgcaag taaaggactt
                                                                     1800
ttttaactgc tggatttgtt tttccaactg agtccaaact tttctaatgt ctgtccacat
                                                                     1860
catgcattag gaaatgtaat taaggtaaca ttctacagtt acttttcatg tcatacccat
                                                                     1920
                                                                     1980
aaagatagtt tatgcattca tctgaaatgt gtaacttttt catgtcttca gagtcacaga
                                                                     2040
cttgagttca tttcccagct ctgccactca tgattatata acttaatttt cattttcctc
                                                                     2100
attcacaaaa tgggccaata gtttgacagc tcattttgaa gattacatta taaaaggaat
                                                                     2160
atacctggtg ggtgcatagt aagtgctcag taaattgttt gttctaagcc acttttaaaa
atggtttcat tccttgtaga attgaatgcg agtggattaa taatttacct tactttctta
                                                                     2220
ctagtgtcca gttatattgt tttttagaac aacacttgga aaataatttg cagtgattat
                                                                     2280
atttctgaac aaggttcaga aaacattgtt tactaagaat ttagtctaat aatttcagtt
                                                                     2340
aggogotoat cagttotoca gagtggttga gtttgtaata cottgtttaa agaataatgg
                                                                     2400
                                                                     2414
cttgttcacg tgtg
```

```
<210> 2142
<211> 1050
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (570)...(1053)
<223> similar to gi1009337 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2142
gttgcctgtg cccctggagt ctgtaaaaga gatgcttaag tcagtcatgc aggaactcga
                                                                       60
agactatagt gaaggaggtc ctctctataa aaatggttct ttgcgaaatg cagattcaga
                                                                      120
                                                                      180
aataaaacat totacaccat ctoctaccaa atattcacta tcaccaagta aaagttacaa
ggtaaacagg aaagaatggg aatcatttca ttgtgaaatt gtttctaagt gttttaaatg
                                                                      240
                                                                      300
ctcttttqtt atttttattt ttttttttag gtattctccc aaaacaccac ctcgatgggg
gcagaaggat caggaattct ttacggaaaa tgatttgcca agaagtaaag gccattacga
                                                                      360
                                                                      420
aactaaatag cagtaagtca gcatcccgtc atcgttggcc cacagagaat tatggaccag
acteggtgcc tgatggatat caggggtcac agacatttca tgggggctcca ctaacagttg
                                                                      480
                                                                      540
caactactgg cccttcagta tattatagtc agtcaccagc atataattcc cagtatcttc
                                                                      600
tcagaccagc agctaatgtt actcccacaa agggttcttc taatacagaa tttaagtcaa
                                                                      660
ccaaagaagg attttccatc gctgtgtctg ctgatggatt taaatttggc atttcggaac
                                                                      720
caggaaatca agaaaagaaa agtgaaaagc ctcttgaaaa tgatactggc ttccaggctc
aggatattag tggccagaag aatggccgtg gtgtgatttt tggccaaaca agtagcactt
                                                                      780
                                                                      840
ttacatttgc agatgttgca aaatcaactt caggagaagg atttcagttt ggcaaaaaag
                                                                      900
accecaattt caagggattt teaggtgetg gagaaaaatt atteteatea caatgeggta
                                                                      960
aaatggccaa taaagcaaac acttccggtg actttgagaa agatgatgat gcctataaga
                                                                     1020
ctgaggacag cgatgacatc cattttgaac cagtagttca aatgcccgaa aaagtagaac
                                                                     1050
ttgtaacagg agaagaagat gaaaaagttc
```

```
<210> 2143
<211> 1302
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (49)...(1264)
<223> similar to gi294543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2143
                                                                       60
egggeacatt gtacettgag aacetttgae gecaceettg geacgaggge tgagtetgtt
acggaagttg agatttttgg taaagcaact tcaattgacc caaataccta catcacttgg
                                                                      120
attgataaat accaggocca gottgtggtt ttgtcagocc agatagoctg gtctgagaac
                                                                      180
                                                                      240
gtggagaccg cactgagcag catgggcgga ggtggagatg ccgcgccctt gcactctgtg
                                                                      300
ctgagcaatg tggaggtcac cctcaatgtg ttagcagact ctgtcctcat ggagcagccc
ccactccgaa ggcggaagct agaacacttg attacagagt tggttcacca gagagatgtt
                                                                      360
acaaggteet tgateaaaag caagattgae aacgeeaaat ettttgaatg geteageeag
                                                                      420
                                                                      480
atgcgatttt actttgaccc taagcaaact gatgtgttac agcagttgtc aattcaaatg
                                                                      540
gcaaatgcca aatttaacta tggctttgag tacctgggtg ttcaggacaa actggtccag
                                                                      600
accecetea etgacegetg etatttgaca atgacacaag cettggagge caggetgggg
ggttccccat ttggacctgc tggaactggg aaaacagagt ctgtcaaagc tcttggccat
                                                                      660
cagcttggac ggtttgtttt agtttttaac tgtgatgaaa cctttgattt ccaggcaatg
                                                                      720
                                                                      780
ggccggatct ttgtgggcct ttgccaggtg ggtgcctggg gctgctttga cgagttcaac
                                                                      840
cgcctggagg agcggatgct ctcggctgtg tcccagcagg tgcagtgcat acaggaagca
ctgcgtgaac attccaaccc caactacgac aagacctctg ccccattac ttgtgagctg
                                                                      900
ctgaacaaac aagtcaaggt gagcccggac atggccatct tcatcaccat gaaccctggc
                                                                      960
tacgcgggcc ggtctaacct tcctgacaac ttgaagaagc tgttccggag cttggccatg
                                                                     1020
accaageceg accggeagtt aatcgeecag gteatgetgt acteacaggg ttteegeact
                                                                     1080
getgaagtge ttgccaacaa aategteeeg ttttttaaac tatgegatga geagetetet
                                                                     1140
tcccaaagcc attatgactt cggtcttcgg gctttgaaga gtgtgctggt gagtgcaggc
                                                                     1200
                                                                     1260
aatqtqaaqa qagagagaat ccagaagata aagagggaga aagaggaacg aggggaagca
                                                                     1302
atgactattt tgtagtacac atgaagcaca aggggaaaga aa
```

```
<210> 2144
<211> 632
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(578)
<223> similar to gi3540281 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2144
ttccqgqtcg acccacgcgt ccgcccacgc gttcggtttg tggctttttt ggccaaggag
                                                                       60
                                                                      120
cagaaggaag attacttgcc tgttctcagg gtggtcagtg ttaccatcca tactgtgtca
gtattaagat cactaaagtg gttcttagca aaggttggag gtgtcttgag tgcactgtgt
                                                                      180
                                                                      240
qtqaqqcctg tgggaaggca actgacccag gaagactcct gctgtgtgat gactgtgaca
taaqttatca cacctactgc ctagaccctc cattgcagac agttcccaaa ggaggctgga
                                                                      300
agtgcaaatg gtgtgtttgg tgcagacact gtggagcaac atctgcaggt ctaagatgtg
                                                                      360
aatggcagaa caattacaca cagtgcgctc cttgtgcaag cttatcttcc tgtccagtct
                                                                      420
qctatcqaaa ctatagagaa gaagatctta ttctgcaatg tagacaatgt gatagatgga
                                                                      480
tqcatqcaqt ttgtcagaac, ttaaatactg aggaagaagt ggaaaatgta gcacacattg
                                                                      540
gttttgattg tagcatgtgc agaccctata tgcctgcgtc taatgtgcct tcctcagact
                                                                      600
gctgtgaatc ttcacttgta gcacaaattg tc
                                                                      632
```

```
<210> 2145
<211> 821
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (260)...(712).
<223> similar to gi5901834 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2145
                                                                       60
ataattagta catgccaaaa ttcatgattt tccatttaga gatgcacaag agtggttgat
                                                                      120
acaaagtaat agtacttaca gtacacgggt atgggtacgg cagaaaccac agaagtggta
                                                                      180
cacaaaaqat caaaqcttaq gaaacactgt tgggcctttg attatgagaa gctctgcagt
                                                                      240
tqataacaaq tttattttaa atggttgttg tctgaaatta aaacttttat atacatattt
tattctagat gattttttcc cctctgtcac tgtgctggtc cggggaatgt ctggaagact
                                                                      300
                                                                      360
tgcttgggca caacagcttt gtcttttacc cagaggagca aaagcaaatc agaagctttt
tgtacctgaa cctcgcccag ttcctaaaaa tgacgttgga tttaaatatt ctgtgaaaca
                                                                      420
                                                                      480
teggecattt eetgaagagg tggacaagat teettttgtg aaageagate teageattee
agatttgcat gaaatagtca ctgaagaatt agaagagaga cacgaaaaat taaggagtgg
                                                                      540
                                                                      600
catggcccag cagattgctt atgaaataca ccttgagcaa cagagtgagg aggaattgca
gaagagaagt tttcctgacc cagttacgga ttgcaagccc ccgcctcctg cccaggaatt
                                                                      660
                                                                      720
ccaaacaqcc cgcctttttc tctcacactt tggatttttg tccttagaag cactgaaggt
                                                                      780.
aattttcatg aacttttatg aataaatata ttcacaagtt aacattcagc tgacaatagc
taaaatattt ttatcaggat agaagcgaat taaaaaaaaa a
                                                                      821
```

```
<210> 2146
<211> 608
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (50)...(610)
<223> similar to gi3451312 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2146
                                                                       60
ctgcgggacc ctcatcttgc aggcccgggc ctatgtggga ccgcacgtcc tggcagtggt
gacccgcaca gggttctgca cggcaaaagg gggcctggtg agctccatct tgcacccccg
                                                                      120
gcccatcaac ttcaagttct ataaacacag catgaagttt gtggctgccc tctctgtcct
ggctctcctc ggcaccatct acagcatctt catcctctac cgaaaccggg tgcctctgaa
                                                                      240
                                                                      300
tgagattgta atccgggctc tcgacctggt gaccgtggtg gtgccacctg ccctgcctgc
                                                                      360
tgccatgact gtgtgcacgc tctacgccca gagccgactg cggagacagg gcattttctg
catccaccca ctgcgcatca acctgggggg caagctgcag ctggtgtgtt tcgacaagac
                                                                      420
                                                                      480
qqqcaccete actgaggaeg gettagaegt gatgggggtg gtgeecetga aggggeagge
                                                                      540
attectgeec etggteecag agectegeeg cetgeetgtg gggeecetge teegageact
                                                                      600
ggccacctgc catgccctca gccggctcca ggacaccccc gtgggcgacc ccatggactt
                                                                      608.
```

```
<210> 2147
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(300)
<223> similar to gi2239242 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2147
                                                                       60
tacatcaact atcgcgacag caagetcacc cggetcetga aggactetet gggaggaaac
ageegeacag tgatgatege teacateagt cetgegagea gtgeettega ggagteeegg
                                                                      120
aacaccctga cctacgccgg ccgggccaag aacattaaga ctagggtgaa gcagaacctc
                                                                      180
                                                                      240
ctgaacgtct cctaccacat cgcccagtac accagcatca tcgctgacct gcggggcgag
                                                                      300
atccagcgac tcaagcgcaa gattgatgag cagactgggc ggggccaggc ccggggccgg
                                                                      360
caggatcggg gtgacatccg ccacatccaa gctgaggtcc agctgcacag cgggcagggt
                                                                      420
gagaaggctg gcatgggaca gcttcgggag cagctcgcca gcgccttcca ggagcagatg
                                                                      480
gatgtgcgga ggcgcctgct ggagctggag aaccgcgcca tggaggtcca gattgacacc
                                                                      540
tecegacace tgeteaceat egeeggetgg aageacgaga agteeegeeg ggeeeteaaa
tggcgggagg agcagcgaaa ggagtgctac gctaaggacg acagcgagaa ggactcagac
                                                                      600
                                                                      660
acaggigatg accaaccaga cateciggag ccaccegagg iggecgeage eegggagage
                                                                      720
attgcagccc tggtggacga gcagaagcaa ctgcgcaagc agaaggtgtc cagggtttgg
                                                                      749
ggggacaagg agagtgggtt taggggact
```

```
<210> 2148
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (218)...(656)
<223> similar to gi2224703 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2148 tgcttggcac gaggcaattt taaaaaagaa aaaagaattt catagctgtg tgccctgtca 60 teceetteag geaaatgaaa gaaatetgte cacatgaggg tgeeteeete ttteaaggea 120 ccctccccat cttgacccaa gtcagtacag cttctcacac cctgtacccc atgtctgctg 180 ctcaccagtt gcttgtgtga cttgcgcctg ctctttgcag ctcctcaagt tcatcccaga 240 gaagagtgac attgacctcc tggaggagca caagcatgaa attgagcgga tggcccgtgc 300 tgaccgcttc ctctatgaaa tgagcaggtt gggccatggg catggtgggg attcaagcag 360 420 gtggggttct ggcaggtggg gcaggtgggg ctctgccaag aggaagggga tggaggtggg 480 caggettgag aggagactgg agetggetee gggagetggg getggeeagg ataggggtgg gataceteaa tatatggtte acettgteta caggattgae caetaceage agegaetgea 540 600 agecetette tteaagaaga aatteeagga geggetgget gaggeaaage eeaaagtgga 660 aggtagget gagggttgca ggaggettag agtgcagaet tatetgagaa aggcagegtg gctgggagcc agtgaatagg ggcagaggga aaccaaattc ttattctcaa cccaaaaaca 720 729 aaaacaaaa

```
<210> 2149
<211> 858
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (292)...(847)
<223> similar to gi2280485 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2149
ctatctggtc actggccact gtggctttgt attcctctaa cgtggctgcc aaggctgct 60
ttcctttctg ctcagactca ataattcgct ccatatggtg actgcgttct ttgagtgccc 120
ctatcatttc ttgagcttcc ttattgtctt gttctgccat tttcaaagta ttgcttaaat 180
gctgctggac accaagaagc tgctcccgtt caaaacgggc attctcagcg aggtccatgt aacgttgctc taattccata tagcgcccac tttttacatc ttcatctatg acagattgaa 300
tacttccgct ctcttctaga tgagcatcac atttcttatg tcatagatga agatgtaaaa 360
agtgggcgct atatggaatt agagcaacgt tacatggacc tcgctgagaa tgcccgtttt 420
```

```
gaacgggagc agcttcttgg tgtccagcag catttaagca atactttgaa aatggcagaa
                                                                      480
                                                                      540
caaqacaata aggaagetea agaaatgata ggggeaetea aagaaegeag teaceatatg
gagcgaatta ttgagtctga gcagaaagga aaagcagcct tggcagccac gttagaggaa
                                                                      600
                                                                      660
tacaaagcca cagtggccag tgaccagata gagatgaatc gcctgaaggc tcagctggag
aatgaaaagc agaaagtggc agagctgtat tctatccata actctggaga caaatctgat
                                                                      720
attcaggacc teetggagag tgtcaggetg gacaaagaaa aagcagagac tttggctagt
                                                                      780
agettgeagg aagatetgge teataceega aatgatgeea ategattaca ggatgeeatt
                                                                      840
                                                                      858
gctaaaggta gaggatga
```

```
<210> 2150
<211> 569
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(570)
<223> similar to gi4101751 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2150
ccgacttcta gcaaaaacca ttactctttt ttttcttttg gcattactaa actctcagat
                                                                       60
tqqqttttcc ttgagttccc tttagacaat ccctcccagg ttggaagtgt tcctgtcaca
                                                                      120
atcaaagtct tagatgtgaa tgacaatgct ccagagttcc ccagattcta tgaagctttt
                                                                      180
gtctgtgaga acgccaaggc aggacagctg atccagacag tgagtgcggt ggaccaagat
                                                                      240
gacccacgca atggtcagca tttctactac agcttggctc ctgaggctgc taacaacccc
                                                                      300
aactttacca taagggacaa ccaagataac acagcacgga ttctaaccag gaggtctggt
                                                                      360
ttccggcagc aggagcagag tgtctttcac ctgcctatcc tgatagcaga tagcgggcag
                                                                      420
cccgtgctga gcagcacagg cacactgacc atccaagtgt gcagctgtaa tgacgacggc
                                                                      480
cacgtcatgt cetgcagece agaggeetae atgeteecag teagtttgag ceggggegee
                                                                      540
                                                                      569
ctcattgcca tectegeetg catetttgg
```

```
<210> 2151
<211> 371
<212> DNA
<213> Hómo sapiens

<220>
<221> misc_feature
<222> (1)...(369)
<223> similar to gi3980007 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
caggaacata tcataaaaaa gttaattaaa gaaaataaga agcatcagga gctcttcgta 60 gacatttgtt cagaaaaaga caatttaaga gaagaactaa agaaaagaac agaaactgag 120 aagcagcata tgaacacaat taaacagtta gaatcaagaa tagaagaact taataaagaa 180 gttaaagctt ccagagatca actaatagct caagacgtta cagctaaaaa tgcagttcag 240 cagttacaca aagaagtgg ccaacggatg gaacaggcca acaagaaatg tgaagaggca 300 cgccaagaaa aagaagcaat ggtaatgaaa tatgtaagag gtgagaagga atctttagat 360 cttcgaaagg a
```

```
<210> 2152
<211> 800
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(797)
<223> similar to gi2852363 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2152
                                                                  60
attttgtgtt ggatccctat tctggagtca taaagtcaaa tgtctcattt gatagagagc
                                                                 120
agcagagttc ctacactttt gatgtcaaag ccactgatgg aggacaacca cctcgttcct
ctactgcaaa agtaactatc aacgtcatgg atgtcaatga caacagccca gttgtcattt
                                                                 180
                                                                 240
ctccaccgtc taatacttcc tttaagttgg tgcccctctc agccattcct ggctccgtgg
                                                                 300
tagcagaagt ttttgcagtg gatgttgaca ctggaatgaa cgctgaacta aagtatacta
                                                                 360
tagtgagtgg aaacaataaa ggcttattcc ggattgatcc agtaacaggt aacattactc
                                                                 420
tggaagaaaa accagcacct actgatgtgg gattgcatcg tttggtggtc aacataagtg
                                                                 480
acctggggta ccctaagtct ttgcacacgc ttgtgcttgt attcctttat gttaacgaca
                                                                 540
ctgctggaaa tgcctcctat atctatgact tgatccgcag gactatggag accccgttgg
acaggaacat aggggatagt agccaaccct atcaaaatga ggactatcta accatcatga
                                                                 600
ttgccatcat cgccggtgcc atggtggtca ttgttgtgat cttcgtcacc gttctggtgc
                                                                 660
                                                                 720
gctgtcgcca tgcatcaagg ttcaaagcag ctcagaggag caagcaaggt gccgaatgga
                                                                 780
800
ccaaaagctc tcttttgaac
```

```
<210> 2153
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(401)
<223> similar to gi1842429 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2153
                                                                        60
aqcacgctac cgctttaccc tcagcgccag gacgcaggtg ggctctgggg aagccgtcac
agaggagtca ccagcacccc cgaatgaagc tactccaacc gcagctcctc ccacattgcc
                                                                       120
cccgactacc gtgggtgcga cgggcgctgt gagcagtacc gatgctactg ccattgctgc
                                                                        180
caccaccgaa gccacaacag tccccatcat cccaactgtc gcacctacca ccatggccac
                                                                       240
                                                                       300
caccaccacc gtcgccacaa ctactacaac cactgctgcc gccaccacca ccacggagag
                                                                        360
tecteceace accaecteeg ggactaagat acaegaatee geceetgatg ageagteeat
                                                                        399
 atggaacgtc acggtgctcc ccaacagtaa atgggccaa
      <210> 2154
      <211> 667
      <212> DNA
      <213> Homo sapiens
      <220>
      <221> misc feature
      <222> (1) ... (668)
      \langle 223 \rangle n = \dot{a},t,c or g
      <220>
      <221> misc_feature
      <222> (3)...(463)
      <223> similar to gi51553 in the genepept database release 114,
        Run with FASTXY 3.3t00, default parameters
      <400> 2154
 tacacttgaa gagggagcac aaagaagaaa ttgaaaacct gcaggcacag tttgaacttc
                                                                         60
                                                                        120
 gggcatttca tatccggggc gagcatgcaa tgataacagc gagactagaa gaaaccattg
 aaaatctgaa acacgagcta gaacacagat ggcgaggggg ttgtgaagag aggaaagatg
                                                                        180
                                                                        240
 tgtgcatttc caccgatgat gactgccctc caaagacctt cagaaatgtg tgcgtccaga
                                                                        300
 cagacagaga gaccttcctc aagccctgtg aaagtgaaag caagacaacc agaagtaatc
 aattagtacc caaaaagctg aatatctcct ctttaagcca gctctcaccc ccaaatgacc
                                                                        360
 acaaagacat ccatgcagca ctccagccaa tggagggcat ggcatcaaat cagcagaagg
                                                                        420
                                                                        480
 cattgeetee geeteegea tecateeete eeetgeeeet ennnnnnnn nnnnnnnnn
                                                                        540
 nnnnnnnng ggggggaaa ttaaaagaaa aaggattttt tgtggggggt tggcgcacaa
 agggtttttt tattagtcat caaaattgaa aacttggggg ccggtttaaa aaacagggga
                                                                        600
                                                                        660
 gagggaaaaa agggggggg ccccaaaatt atcccttttc aaaaaacccc ctttttcccc
```

```
<210> 2155
<211> 662
<212> DNA
```

cccgggg

667

```
<213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(648)
     <223> similar to gi968973 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2155
                                                                       60
ctgaagtcaa cgcaagacga aatcaaccag gcaaggagca aactgtccca gctgcatgaa
agccgccagg aggcccacag gagcctggag cagtatgacc aggtgctcga tggagcccat
                                                                      120
ggtgccagcc tgaccgacct ggccaacctg agcgaaggcg tctccctggc agagagggc
                                                                      180
agttttggag ccatggatga tcctttcaaa aataaagcct tgttatttag caacaacacg
                                                                      240
caagagttgc atccggatcc tttccagaca gaagacccct tcaaatctga cccatttaaa
                                                                      300
ggagctgacc ccttcaaagg cgacccgttc cagaatgacc cctttgcaga acagcagaca
                                                                      360
acttcaacag atccatttgg aggggaccct ttcaaagaaa gtgacccatt ccgtggctct
                                                                      420
gecactgaeg aettetteaa gaaacagaea aagaatgaee eatttaeete ggateeatte
                                                                      480
                                                                      540
acgaaaaacc cttccttacc ttcgaagctc gacccctttg aatccagtga tcccttttca
tectecagtg tetecteaaa aggateagat eeetttggaa eettagatee etteggaagt
                                                                      600
gggtccttca atagtgctga aggctttgcc gacttcagca ctattgaagg tcgacgcgc
                                                                      660
                                                                      662
     <210> 2156
     <211> 371
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(372)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (267)...(365)
     <223> similar to gi37543 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2156
aactccccta gaccctcagg gcccacacta aatgtgatga aataggacgc aagccacata
                                                                       60
tttacttttg cattitacag taaccatatt ttaaaaagta aaacaaaaga agtgaaggta
                                                                      120
                                                                      180
attggaataa tatcacagat ttaaataaat ctatccaaaa taccaggtct acatgtataa
actattttaa cattaacaca atgctttctt tttatattaa ggcctcacaa tctaatgtgt
                                                                      240
                                                                      300
atotgacact totcacacat otcagtatea tggcagcace ceatatggga ggccctccca
                                                                      360
tgatgccaat gatgggccct cctcctcctg ggatgatgcc agtgggacct gctcctggaa
                                                                      371
tgangctcgc a
```

```
<210> 2157
    <211> 694
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (3)...(697)
    <223> similar to gi220418 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2157
atgtcctgga tgcactggcc aaggctctgg gctttaaata tgagatttac caagcccctg
                                                                       60
                                                                      120
atggcaggta cggtcaccag ctccataaca cctcctggaa cgggatgatc ggggagctca
                                                                      180
tcaqcaaqaq aqcaqacttg gccatctctg ccatcaccat cacccagag agggagagcg
ttgtggactt cagcaagcgg tacatggact attcagtggg gattctaatt aagaagcccg
                                                                      240
aggagaaaat cagcatcttc tccctctttg ctccatttga tttcgctggg tgggcctgca
                                                                      300
ttgcagcagc catccctgtg gttggtgtgc tgatatttgt gttgaacagg atacaggctg
                                                                      360
tgagggetea gagtgetgee cageceagge egteagette tgecaetetg caeagegeea
                                                                      420
tetggattgt etatggagee ttegtacage aagggggega atetteegtg aactecatgg
                                                                      480
ccatgcgcat cgtgatgggc agctggtggc tcttcacgct cattgtgtgc tcctcctaca
                                                                      540
cagccaacct tgctgccttc ctcacagtgt ccaggatgga caaccccata aggactttcc
                                                                      600
                                                                      660
aggacctgtc caaacaagtg gaaatgtctt atggcactgt ccgggattct gctgtatatg
                                                                      694
agaacttccg agccaagggc accaaccccc tggg
     <210> 2158
     <211> 404
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(270)
     <223> similar to gi5689485 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2158
                                                                       60
ctgaaacätg gcgccaatcc aaaccttaag gatatctacg gcaacactgc tctccattat
                                                                      120
gctgtgtata gtgagagcac ctcactggca gaaaaactgc tttcccatgg tgcacacatt
                                                                      180
gaagcactgg acaaggacag taatacccca cttttattcg ctataatttg caagaaagag
                                                                      240
aaaatqqtqq aatttttatt gaaaaacaaa gcaagtacac atgccgttga taggctgaga
tggtcagctc tcatgcttgc tgtatactat gactcaccag gtattgtcag tatccttctt
                                                                      300
aagcaaaata ttgatgtctt cgctcaagac atgtgtggac gagatgcaga agattacgct
                                                                      360
```

```
<210> 2159
<211> 768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(520)
<223> similar to gi2440078 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2159
gtggaattcg aagaagagtc ctcctcagag accaggatgg tggtgacatt cctcgtgtct
                                                                       60
gccctcgaat ccatgtgtaa agaactggcc aagtccaagg cagaagtggc ctgcatcgca
                                                                      120
                                                                      180
qtqtacqaaa caqacgtgtt tgtcgtcgga accgagagag gatgcgcttt tgttaatgcc
aggacggatt ttcagaaaga ttttgcaaaa tactgcgttg cagagggact gtgtgaggtg
                                                                      240
                                                                      300
aaacetecet qeeetgtgaa egggatgeag gteeactegg gegaaaegga aataeteagg
aaggcagtgg aggactattt ctgcttttgt tatggtaaag ccttagggac aacagtgatg
                                                                      360
gtgcctgttc cctatgagaa gatgctgcga gaccagtcgg ctgtggtagt gcaggggctt
                                                                      420
ccggaaggcg ttgcctttca acaccctgag aattacgacc ttgcaaccct gaaatggatt
                                                                      480
                                                                      540
ttggagaaca aagcagggat ttcattcatc ataaataggt gacacactct gcacccccgc
cccttcagtt catttaaaga tgaaaccaat agcctaattt taattcactc gtgcatcccg
                                                                      600
                                                                      660
cctqctqcqt ttcagagctg actgttcaga tgtgtcatgc ttttttcatt ggtccgtgct
                                                                      720
qqqtaatqqt qttqcttttc ttgcagaccc ttcctaggac cagagagtca gctgggtaag
                                                                      768
tgacagette teaggtttgg tggetettet gagetgetga accaette
```

```
<210> 2160
<211> 396
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (36)...(396)
<223> similar to gi4959147 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2160
atgctattga aaccctcgac gatctcagaa aggagacgat gagtgtttct gacctgtgga 60
atactctgtc tagtttgaat agtaatttaa aaaaggatga atttctagct gcattggaac 120
tagtgacagt tgatgaaggt gacaaagtac aatttgaaga atttgcaaaa gtagtaagga 180
```

```
atatgcgtga tgctgccagg ttagaagagt tacaggaagt tgtcttagct gctgatttgc 240 tggaaggtga catgatagct gggaagaact tggaagactt tctaagaaat gttgggatta 300 agtcacctaa agaagaggta gagaaaattc ttcaatcaga ttttgtttct gaagataaca 360 tggtgaacat taaagactgt atgagggctt tgaggg 396
```

```
<210> 2161
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(744)
<223> similar to gi5420389 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2161
cggacgcgtg ggggatctgg caatagctcc caaccctcac ttcgtgaggg ccacgacaaa
                                                                      60
cctqttttta atggagctgg aaagcctcat tccagcacct cttcaccaag tgtcccaaag
                                                                      120
acttctgcta gcaggactca gaaatctgct gttgagcaca aagccaaaaa atctctgtcc
                                                                      180
                                                                      240
catectagec attecaggee tgggeecatg gteaceceae acaataagge taagagteea
qqtqtcaqqc agccaggcag cagctctagc tcagcccctg ggcagcccag cacaggggtt
                                                                      300
qctcqaccca cagttagttc tggccctgtg cctaggcgcc agaatggcag ctccagctca
                                                                      360
ggacctgagc gatcaatcag tgggtccaag aagccaacca atgactcaaa tccctctagg
                                                                      420.
cggacagtca gtggtacatg tggccctgga caacctgcaa gcagctcagg tggccctggg
                                                                      480
cgacccatca gtggttcagt tagttctgca agacccttgg gcagctctcg tggccctggc
                                                                      540
cggcctgtga gcagtccaca tgaacttcga cgaccagtga gtggcttggg ccccccgggg
                                                                      600
cqqtctqtca qtqqccttgg gagatccata agtggctcaa ttccagctgg acggactgtc
                                                                      660
agtaattcag tcccaggaag accagtgagc agcttgggac ctgggcaaac agttagtagc
                                                                      720
tcaggtccca ctataaagcc taagtgcact gt
                                                                      752
```

```
<210> 2162
<211> 1064
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(1064)
<223> similar to gi4557143 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
geggtggaat teageagege aggeaagatg tattttgtga etgeagtatt etagttgaag
                                                                       60
                                                                      120
ggaaggtott caaagcacat cgaaatgtat tattcgctag gagcggctac tttaaaatgc
ttctttctca gaattcaaag gagacgagtc agccaaccac agctacattt caggctttct
                                                                      180
cccctgacac ttttacagtt atcttggact tcgtatattc tggcaaactg tctcttactg
                                                                      240
                                                                      300
qtcagaatgt catagaagtg atgtcggctg ctagcttcct tcagatgact gatgtcataa
gtgtatgtaa gacttttatt aaatcttcct tagacattag tgagaaagaa aaagatcgct
                                                                      360
atttcagtct ctcagataaa gatgccaatt ctaatggtgt agaacgttcc tctttttata
                                                                      420
gggggggctg gcaagaagga agcagttete caegttetea cetaageeea gagcaaggaa
                                                                      480
caggtataat aagtggaaaa tettggaata agtataatta teatecagee teecagaaga
                                                                      540
atactcaaca accettggcc aagcatgaac caaggaaaga gtccattaaa aagaccaaac
                                                                      600
atttgagatt gtcacagcct tctgaagtta ctcattataa gtcaagcaaa cgagaagtac
                                                                      660
gaacatetga ttettecage catgtttece agtetgaaga acaageacag attgatgetg
                                                                      720
                                                                      780
aaatggactc tactcctgtt ggctatcagt acggccaagg atctgatgtc acatccaaaa
gctttccaga tgatctgcct cggatgcgat tcaagtgccc gtactgcaca catgtggtga
                                                                      840
ageggaagge agacetaaag egecacette gttgtcatac aggagaaagg ecetatecat
                                                                      900
gtcaagcttg tggaaaaaga tttagcaggc tagaccatct aagtagccat tttcgaacaa
                                                                      960
ttcaccagge atgtaaacte atetgeagaa aatgtaaacg teatgtgaca gatetaacag
                                                                     1020
                                                                     1064
ggcaagcggt acaggaggga accaggcgct acagactgtg taat
```

```
<210> 2163
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (475)...(583)
<223> similar to gi4929679 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2163
                                                                       60
ttattattat tttgcataga gacaagcact cactgtgtta cccaggctgg ttttgaactc
                                                                      120.
ctgagcttaa tcagttctca cctgctttgc cctcccaaag tgctatgatt acaggtgtga
                                                                      180
gccaccacge ttggccctge ccaggagtea tttttgtate tacaggtate ttectatget
gtagacagat gccctttttc aaggcaaaaa ccctagccat ttttctcttc tccttcagag
                                                                      240
                                                                      300
totgcaacat cototcaact catccaagtg actactgcot ggtgctcttg gggatgcagg
                                                                      360
qaqqcctqaq aaqqccaatg tctatacaga aagttctaac atagtgcact gagtcaatgt
                                                                      420
gggcacttta aagccctttc acctgccaag tcacgaagca cccctatagt tgtgtttgta
                                                                      480
aaatactggg gggtttgaag gggaaaaggg ataactccaa ggtaccatct ttgcatttca
                                                                      540
gatccacaca acttaaagat ctgctgtcga gtgaatgggg aagtggtcca gagcagcaac
                                                                      582
accaaccaga tggtattcaa gacagaggac ctgatagcct gg
```

```
<210> 2164
<211> 388
<212> DNA
<213> Homo sapiens
```

```
<220>
    <221> misc feature
    <222> (242)...(106)
    <223> similar to gi38435 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters.
     <400> 2164
                                                                       60
ttttttttt ttaccggtta aaaccattct tttccacctg gttttactga aacatttgga
aaaaggaaaa aatgtcgtcc cttttaaaaa aaaaaaaaag gggggccctt ttaaaaagaac
                                                                      120
ccttgggggg cccaaattta acgggggctg gcaaggaaaa attttttcc ttatgggggg
                                                                      180
ccqaataaaa accaacttgg gaattttggg aaagaacctt ttttttgggg gggggactta
                                                                      240
                                                                      300
ttqqcccaac ctccctacaa aaattaaagg ctttagggaa aaaaaaaatt tttaagggga
                                                                      360
aaagggggta aaacaacctc aatagcctgg cggttggaaa gttttgtttc cggggtttaa
                                                                      388
tttaaaaaaa ttttaccccc gggggctg
     <210> 2165
     <211> 527
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (360)...(518)
     <223> similar to gi535518 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2165
aggggggacc cacgcgtgcg gccagttgta caggaactgc caaaggctac agaaattctt
                                                                       60
tetecetatg teccageeta ecceaettt agegaggeea acageegeet cagaaaceag
                                                                      120
                                                                      180
attcaggage taacatgeee caggteteae gaggateaga gactecagag gecagggaag
gagatcaagg tagtcaagcg ggggtcgtct cagatctggt tgtgctcgag ctatgcaaat
                                                                      240
gcctctcacg gagatgcgag gacctatcta ttatgatgac cagggccaca tccggagggg
                                                                      300
                                                                      360
gcaacagact ttcatctatc agcccttttc aaccactgat ctactaaact ggaaacactc
                                                                      420
tgaaccetge catcttgete etggtateag agageeetgt egtgeataac tgtgtagaag
tgttggactc agtttactcc agcagacctg atctccggga ccagccttgg gcatcagtag
                                                                      480
                                                                      527
actggaagct atatgtggac aggagcagct tcatcaaccc acaaggg
```

```
<210> 2166
<211> 1239
<212> DNA
```

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (2)...(1241)
<223> similar to gi2160381 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2166
                                                                       60
tgggaacgcc gcctttgctg gccagggcgt ggtatatgag accttccaca tgagcgacct
geoetectae acgaecaatg gtacegtgea egtegtegte aacaaccaga ttggatteae
                                                                      120
cacagacccc cgaatggccc gctcctcacc atacccgacc gacgtggccc gggtggtcaa
                                                                      180
                                                                      240
tgcgcctatc ttccatgtga atgccgatga cccagaggct gtgatatatg tgtgcagtgt
                                                                      300
ggcagccgaa tggagaaaca ctttcaacaa agatgttggc gcggacctgg tctgttaccg
ccggcgtggc cacaatgaga tggacgagcc catgttcacc cagccgctca tgtacaagca
                                                                      360
                                                                      420
gatccacaga caggtgcctg tgctgaagaa gtacgcagac aagctgattg ccgagggcac
agtcaccctg caggagtttg aggaagaaat tgccaaatac gaccggatct gtgaggaggc
                                                                      480
ttatggcagg tccaaggata aaaagattct gcatataaag cactggttgg actccccctg
                                                                      540
                                                                      600
geetggette tteaacgtag atggggagee caagageatg acatgeecag ecaeggggat
                                                                      660
ccctgaggac atgctcaccc acatcggcag tgtggccagc tctgtgcccc tggaggactt
                                                                      720
taagatccac actggcctct ctcgcattct gcggggccgt gcggacatga ccaaaaaccg
gacggtggac tgggcgttgg cagagtacat ggcctttggc tccctgctga aggaaggcat
                                                                      780
                                                                      840
ccacgtgcgg ctcaacgggc aggatgtgga gaggggcaca ttcagtcacc ggcaccatgt
                                                                      900
tetecatgae caggaggttg accgcaggae gtgtgtgeet atgaateate tetggeetga
ccaggccccg tacaccgtgt gcaacagctc cctctcggag tacggagtcc tgggctttga
                                                                      960
                                                                     1020
gctgggctat gccatggcca gccccaatgc cctggtcctc tgggaggccc agtttgggga
                                                                     1080
cttccacaac acggcccagt gcatcatcga ccagttcatc agcaccggcc aggccaagtg
ggtgcggcat aatggcattg tgctgctgct gccccatggc atggaaggca tgggcccaga
                                                                     1140
gcactogtca gogaggooog aaaggttoot gcagatgago aatgatgact oggatgoota
                                                                     1200
                                                                     1239
ccctgcattc accaaggact tcgaggtgag ccagctctg
```

```
<210> 2167
<211> 552
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (225)...(441)
<223> similar to gil340076 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 2167
    aagggtacgg gcagattgag attacagaag gatcccactg gttgccttgt gtgaggaccc 60
    agggagaagg gggaggctgt ccctgtttga gtaggagatg agagctactg gtggctatga 120
    gtggaaagaa gtgagcagaa gtgagcagaa atcccaagga ctggtgatga taggatgatg
    gtgggaacca ggatgggctt tgggcagacc ctgacccctc tctctgcctg tcggcccacc agataataat ccctgtgttc ctgggcgagt cagtgccacc cgagatgttg gcggccactt tggctgagct
    tcggctgagct ggacggatgc ctgcagctgc tcgaggacaa gttcctgcgg gaccaggcct 360
```

```
tccttactgg gccccgtatc tctgtggctg gcttggtggc aatcacggag ctgaggcatg 420 agagtgccat ggggtgcggt ggcccgctgg gcagtggtgt atccgggaag ggagctgaca 480 tcccagctca tgttgtcttt tctggctgtg ggaccctgtg tgagtcactt ctccttctga 540 gcctcgaatt cc
```

```
<210> 2168
<211> 732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(178)
<223> similar to gi3273089 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2168
ggetteggeg etgeeegtgt geggageete tttaaggaag eeegageeeg ggeeeeetge
                                                                       60
atogtotaca togatgagat cgacgoggtg ggcaagaagc gctccaccac catgtccggc
                                                                      120
ttctccaaca cggaggagga gcagacgctc aaccagcttc tggtagaaat ggatggtgcc
                                                                      180
                                                                      240
tetettgace agetaceete ecaggggace atgaggaage teagaggaaa gaceeeegee
tgctcctgtc tcacggagcc cacagggtca cggagggcaa tggagggtca ttcgctctgc
                                                                      300
tggggttgcc ttttgcactg aagatagaga ccaccttttt gagtgacttg agcccaaagg
                                                                      360
caagegtata teaaaegate ttetecacat aacetetetg tgecateata agaatagetg
                                                                      420
cttccgcccc cggatttgct caggcctggg aatccgctga ctgaaggcct cttgttgagt
                                                                      480
gccagctcta aacaagtccc tttatgcaga gccacagctg tgcatgctca gccctgccga
                                                                      540
ggtcccaggc caggctttgt tgcttccgtt catggaagcg cacaggatgg ggccgacgct
                                                                      600
gtgccggtcg tggggaaatc tcactgggga agagaaaagc ccaagccttg ttggttacgt
                                                                      660
cageeggtee atggeggtgt cetgeggace ceaaageece egggaaggge geaagteaaa
                                                                      720
                                                                      732
gagcactgga gg
```

```
<210> 2169
<211> 472
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (276)...(391)
<223> similar to gi4809337 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
60
ggttgcaacc caagatagtt gcttctagca agcttggagc caagagacct aggttcaaac
cctgaactca gcacaagtcc ctttacctct ctgggcctgt ttcttgcctt tcgtggataa
                                                                     120
                                                                      180
cataaaggca ctgcttagcc atcaggcact gtgtctggct gtagcaacta tcattattgt
catcctcctc atgggctgtg acatggggaa aaaaaatcct ggctgccact ggagtgtaaa
                                                                      240
cggtcctggg gttgcctcct cagaggccct tccctgtgtc ctcccaggca ctgtcccaga
                                                                      300
gccaccette aggaatecag gcccacacce agetecaget gecegagtgg etcagtegee
                                                                      360
cageggeete tetgetgaet gaggtgaggg gtaaccegge cagaggaage agetgeetag
                                                                      420
cctgaggaag gtgctgggag gggcacagaa ctgtgtctga accacgtgtg ct
                                                                      472
```

```
<210> 2170
<211> 525
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(526)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (12)...(222)
<223> similar to gi2706522 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2170
cggcggaatt cgaaattaat ggaatgacag gtttaaatgg atctatacaa caaataacgg
                                                                       60
                                                                      120
tgatatogoc attitottit agtatiggig acaccacaga aciggaacca taittacatg
gaggcatage tgtccaagtt aagacteeta aaacagtttt ttttgaatca etggagagge
                                                                      240
agttaaaaca tccaaagtgc cttattgtgg attttagcaa ccctgaggta aataaacact
ttgcaggttt gagagaggca gcagaatcag agatgagaat tagtgagtga ttatgaagtt
                                                                      300
                                                                      360
aaaatqqaat aaccatgtag gtatctggct gtcgggcctt ataatgtgag tataataaag
gttatactca catatctaaa gttgacttct gaggattaaa aatgtgaatt tgtctcatag
                                                                      420
                                                                      480
aaaaaaatga taaagtaata ggaaaaagtt tcacttttat aatgatttgc caactttgat
                                                                      525
aattataaga cgaatnicat aacttggaca aagatgatct tatta
```

```
<210> 2171
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (86)...(282)
<223> similar to gi407672 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2171
ccacccacge gtccgcccac gcgttcgaga acgatttcca gatttactac tgccttcate
                                                                       60
tagtcaagac totgaaatto tgoocttoat toaatotaga aattatooca agotgtatat
                                                                      120
tgatggtcct tttggaagtc catttgagga atcactgaac tatgaggtca gcctctgcgt
                                                                      180
ggctggaggc attggagtaa ctccatttgc atcaatactc aacaccctgt tggatgactg
                                                                      240
gaaaccatac aagcttagaa gactatactt tatttggttt tggcaagaga acagacctga
                                                                      300
ctatgtcaac atccagctgt acctcagtca aacagatggg atacagaaga taattggaga
                                                                      360
aaaatatcat gcactgaatt caagactgtt tataggacgt cctcggtgga aacttttgtt
                                                                      420
                                                                      439
tgatgaaata gcaaaatat
```

```
<210> 2172
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (143)...(452)
<223> similar to gi3924667 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2172
ttcaggagca ctggatgcaa gtcggcaggt gtttgtgtgt ggaaatgaca gcaaagccaa
                                                                       60
gcaaagagtg atggatattg ttcgtaatct tggacttact ccaatggatc aaggatcact
                                                                      120
catggcagec aaagaaattg aaaagtacec eetgcageta tttecaatgt ggaggtteee
                                                                      180
cttctatttg tctgctgtgc tgtgtgtctt cttgtttttc tattgtgtta taagagacgt
                                                                      240
aatctaccct tatgtttatg aaaagaaaga taatacattt cgtatggcta tttccattcc
                                                                      300
                                                                      360
aaatcgtatc tttccaataa cagcacttac actgcttgct ttggtttacc tccctggtgt
tattgctgcc attctacaac tgtaccgagg cacaaaatac cgtcgattcc cagactggct
                                                                      420
                                                                      450
tgaccactgg atgctttgcc gaaagcagct
```

```
<210> 2173
<211> 440
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (302)...(400)
<223> similar to gil218058 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2173
ggaattcgat cagtagaagt ttgggggata tagaaacgaa ggttttctaa cttttagctt
                                                                       60
                                                                      120
tcáaggagat tgtccggttg ggaaagcaag atatgaaaaa taaatatgtc aagaatataa
tccaaaacaa tctaattaag tgctagaagt ttgccatgga cagacaaagt gctacttggg
                                                                      180
aaqqaaqttc caqaaacacc acagctgggt acattcttca ccactctgag tggtggcagt
                                                                      240
                                                                      300
qacqcqttqq ctttqtgaga atggtgtgtc ttacttgaga aagtgtgtgt gttctgcctg
caggcatggg actogotgtg ctggagaagt ggcagcogot gcaaacaatt cgcactgcac
                                                                      360
agtcggaatt gctttcaacg ccaagatcgg aggtatggga aaccaactca cgtggatgta
                                                                      420
                                                                      440
gaaatgcgcc agttagctct
```

```
<210> 2174
<211> 1032
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(732)
<223> similar to gi2529707 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2174
gaaattegee etteegeaaa eteaaceett teggaaacae etteeteaac aggtteatgt
                                                                       60
gtgcccagct ccctaatcag gtcctggaga gcatcagcat catcgacacc ccgggtatcc
                                                                      120
tgtcgggtgc caagcagaga gtgagccgcg gctacgactt cccggccgtg ctgcgctggt
                                                                      180
                                                                      240
tegeggageg egtggacete ateateetge tetttgatge geacaagetg gagatetegg
                                                                      300
acgagttete agaggecate ggegegttge ggggecatga ggacaagate egegtggtge
                                                                      360
tcaacaagge egacatggtg gagaegeage agetgatgeg egtetaegge gegeteatgt
gggcgctggg caaggtggtg ggcacgcccg aggtgctgcg cgtctacatc ggctccttct
                                                                      420
                                                                      480
ggtcccagcc cctcctcgtg cccgacaacc ggcgcctctt cgagctggag gagcaggacc
                                                                      540
tetteegega cateeaggge etgeceegge acgeageett gegeaagete aacgaeetgg
                                                                      600
tgaagagggc ccggctggtg cgagttcacg cttacatcat cagctacctg aagaaggaga
tgccctctgt gtttgggaag gagaacaaga agaagcagct gatcctcaaa ctgcccgtca
                                                                      660
tctttgcgaa gattcagctg gaacatcaca tctcccctgg ggactttcct gattgccaga
                                                                      720
                                                                      780
aaatgcagat gaggaaactg aggcacagtg aagtagcccg ctcaagatga atgattctga
gtctgcactt ctagggtcct aaaagtgtat gtttctaaca ttcctctaat gttctgtgct
                                                                      840
tccaactttg atattccgaa agttacttga tttctaagat cctaggattg gaacatttga
                                                                      900
gaggacaaaa cttctgagat tggaatgtgt gttgtgcgga atctgccact gacggttctg
                                                                      960
actttctaag aaaacgagat taaaaaataa tcaggccgag catggtggct cacatctgta
                                                                     1020
                                                                     1032
atcctagcat tt
```

```
<210> 2175 <211> 1221
```

<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (1)...(1222)
<223> similar to gi4378904 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2175 60 gtgagagaca teaceteega eteeeteage eteteetgga eagteeeega gggeeagttt gaccatttct tggtccagtt taagaatggg gacgggcagc ccaaggcggt gcgggtgccg 120 ggacacgagg atggggtcac catctcgggc ctggagccag accacaagta caagatgaac 180 ctgtacggct tccacggtgg ccagcgcgtg ggccccgtgt ctgctgttgg tttaactgcc 240 ccaggaaagg atgaagaaat ggccccagcc tcgacagaac ctcccacccc tgagcccccc . 300 360 atcaagcete geetggagga getgaeegtg acagatgega eccetgaete eetcageetg tcctggacgg ttcccgaggg acagtttgac cacttcctgg tccagtacaa gaatggggat 420 480 gggcagccca aggcaacacg ggtgccagga catgaggaca gggtcaccat ctccggcctg 540 gagccagaca acaagtacaa gatgaacctg tacggcttcc acggtggcca gcgtgtgggc 600 cccgtgtctg ccattggggt gacagctgca gaggaagaaa ctcccacccc cacagaaccc agcatggagg ccccggagcc ccctgaggag ccgctcctgg gggagctaac agtgacagga 660 720 tectecetg actegetgag ceteteetgg accgtecece agggeegett egacteette 780 acceptgcagt acaaggacag ggacgggcgg ccccaggtgg tgcgtgttgg gggcgaggag agcgaggtca ccgtgggggg cctggagcct gggcgcaaat acaagatgca cctgtacggc 840 900 ctccacgagg ggcggcgtgt gggcccggtg tccaccgtgg gcgtgactgc cccacaagag 960 gatgtggacg agacccccag ccctacagaa ccaggcacag aggccccaga gccccccgag gagcetetee tgggggaget gacagtgaca ggateeteee etgaeteget gageetttee 1020 tggaccgtcc cccagggccg ctttgactcc ttcaccgtgc agtacaagga cagggacgga 1080 1140 cggccccagg cggtgcgtgt tgggggccag gagagcaagg tcactgtgag gggcctggag 1200 cctgggcgca agtacaagat gcacctgtac ggcctccacg aggggcggcg cctaggcccg 1221 gtgtctgcca ttggggtgac g

<210> 2176
<211> 1273
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (138)...(1273)
<223> similar to gi5824511 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 2176
tttcgtgtga catggcggag gccgcggcgc tggtgtggat tcgcggccct ggcttcgggt 60
gcaaggcggt gcggtgtgcc tcgggtcggt gcaccgtccg ggattttatc caccggcact 120
gccaagatca gaatgttcca gtggaaaact tctttgtgaa atgcaatgga gcactcatta 180

```
acaccagtga cacagtgcag catggagctg tttatagttt ggaacccaga ctttgcggtg
                                                                      240
                                                                      300
gaaaaggagg ttttggatct atgctccgag cacttggtgc tcagattgag aagacaacca
                                                                      360
atcgagaagc ttgtcgggat ctcagtggaa ggagactacg cgatgtcaat catgaaaaag
caatggctga atgggtaaaa caacaagccg agcgagaggc tgaaaaggag cagaagcggc
                                                                      420
tggagcgact gcagcggaag cttgtagaac ccaagcactg cttcaccagc cccgactacc
                                                                      480
agcagcagtg ccatgagatg gctgagcgtc tggaggattc cgtcctcaaa ggtatgcagg
                                                                      540
                                                                      600
ctgcctccag caagatggtt tcagcagaaa tcagtgagaa tcggaaacgg caatggccta
                                                                      660
ctaaatctca aacagacaga ggagccagtg cgggaaagag gagatgcttc tggttgggca
tggagggact agagactgca gaagggtcca actctgagag ttcagatgat gacagtgaag
                                                                      720
                                                                      780
aagcaccaag cacttcagga atgggtttcc atgctccaaa aattggtagc aatggtgtcg
agatggcage caaatttccc agtggttctc agagggcgag agtagtgaat acagaccatg
                                                                      840
gatcaccaga acaactgcag atcccggtga ctgactctgg gaggcatatt ttagaagact
                                                                      900
catgtgctga gctgggggag tccaaagagc acatggaaag caggatggtt acagaaacag
                                                                      960
aagagaccca ggagaagaag gcagagagta aagaacccat agaagaggag cccactgggg
                                                                     1020
ctggactgaa taaggataaa gagacagaag aaaggactga tggggaaaga gttgctgagg
                                                                     1080
                                                                     1140
taqcacctqa agaaagggaa aacgttgccg ttgccaaact gcaggaaagc cagccaggaa
acgcagttat tgataaggaa actatagatt tattggcgtt cacctctgtt gcagaactgg
                                                                     1200
aqttqctqqq tttqqaqaag ctcaaatgtg aactgatggc ccttggactg aaatgtgggg
                                                                     1260
                                                                     1273
gcactctgca gaa
```

```
<210> 2177
<211> 170
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(163)
<223> similar to gi3025832 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 2178
<211> 489
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (314)...(491)
<223> similar to gi3360512 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2178
ccgacgattt cgtgaggcgg cagccaggtg gggttccagc cagagcacgc acgcacggag
                                                                       60
ccgggagcat gcagcctgca ctgcggggga tgtgatgctc ggctctaact cgcctggctg
                                                                      120
gcccgccacg gacgcctcag cttgcaacca tggtaacgtt tctggcgggg gacacccccg
                                                                      180
ggagcccacc gcgatgggca gcctcctggt gactgatgga cgagtgtcca cctcccagac
                                                                      240
cgagagcgct tagtaggtcg gaggaagtgg agaggatgta acacgccccc agccgggagt
                                                                      300
gaageeetga ggageteete eeceettegt teecaceete aagtetgaeg atgacacete
                                                                      360
caattttgat gaaccaaaga agaattcgtg ggtttcatcc tctccgtgcc agctgagccc
                                                                      420
                                                                      480
ctcaqqcttc tcgggtgaag aactgccgtt tgtggggttt tcgtacagca aggcactggg
                                                                      489
gattcttgg
```

```
<210> 2179
<211> 457
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(458)
<223> similar to gi3712831 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2179
                                                                       60
cqacqatttc gtgtgggcac cgaggaggag ctgccgcggc tgttcgccga ggagatggag
                                                                      120
aatgaggacg agatgtcaga agaagaagat ggtggtcttg aagccttcga tgactttttc
                                                                      180
cctgtggagc ccgtgagcct tcctaagaag aagaaaccca agaagctcaa ggaaaacaag
tgtaaaggga agcggaagaa gaaagagggg agcaatgatg agctatcaga gaatgaagag
                                                                      240
                                                                      300
gatctggaag agaagtcgga gagtgaaggc agtgactact ccccgaataa aaagaagaag
                                                                      360
aagaaactca aggacaagaa ggagaaaaaa gccaagcgaa aaaagaagga tgaggatgag
                                                                      420
gatgataatg atgatggatg cttaaaggag cccaagtcct cggggcagct catggccgag
                                                                      457
tggggcctgg acgacgtgga ctacctgttc tcggagg
```

```
<210> 2180
<211> 493
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (38)...(393)
<223> similar to gi190897 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2180
tttcgtcgag cgccttgcgc acctccacgc tgcctgcgcc ccgcgccgca aggtggcgct
                                                                       60
                                                                      120
cctcttggag gtgtgcagag atgtctatgc gggcctggct cgaggcgaga accaagatcc
cctgggggcc gacgccttcc tgccggcgct gaccgaggaa ctcatctgga gcccggacat
                                                                      180
                                                                      240
tgqqqacacq cagctggacg tagagtttct tatggagctc ttagatccag atgagctgcg
gggagagget gggtactace tgaccacgtg gtttggggeg etgcaccaca ttgcccacta
                                                                      300
                                                                      360
ccagcccgaa acagaccgcg ctccccgggg gctcagctcc gaggcccgcg cctccctgca
ccagtggcac cgcaggcgga cgctgcacag aaaggatcat cccagagccc aacagctgga
                                                                      420
ctgaccctgg ctggtcgaag agccctggcc agatgtcctg tggacagacc caatttctgg
                                                                      480
                                                                      493
cctcgtctgc tgg
```

```
<210> 2181
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(457)
<223> similar to gi1742441 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2181
ggaaatagat attatctata aaatcctgct ggattctgat ttaggcagta gtttgcctct
                                                                       60
aagccagget gattttggee tgtggtttaa ccataaaggt egacattatt ttagtggtat
                                                                      120
tgccgaagta ggccatatct cccgtctgat tcaggatttc gacggtattt tcaatcaaac
                                                                      180
                                                                      240
catgcgtaac accagaaatt tgaataacag aagtctgcgg gtgaaatttt tattacagat
                                                                      300
aagaaatacc gtatcgcaaa ttattacctt gctgcgtgaa ttgtttgaag aagtatcgcg
                                                                      360
ccacgaagtc ggtatggatg tactgacgaa attacttaac cgccgtttcc taccgactat
cttcaaacgc gaaattgccc atgccaaccg gaccggtaca ccgctgtcag tgctgattat
                                                                      420
                                                                      455
tgacgttgat aaattcaaag agatcaacga tacgg
```

```
<210> 2182

<211> 991

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(992)

<223> n = a,t,c or g
```

```
<220>
     <221> misc_feature
     <222> (3)...(85)
     <223> similar to gi4884158 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2182
                                                                       60
cgccctgggg ccggggccgg gcggcaccgc ggtgcgcaag cgcaaccgtc ggtgggtcgg
ggatcggtcg cctgagaggt gagtgagggg cactgcgctg agcctggtgg gtctggggtc
                                                                      120
tgcggctcgg ggcccacggg gccccaaagc tcgtaagagt ttggggatcg tgaggccagg
                                                                      180
gtcaccgcga cccgcggggt cctgtgagta ggcggtgcgg aggggaaact gaggccgggc
                                                                      240
                                                                      300
gccatcgggc aggcccttcg agccctgatc tcccttcccc aggccccagg tcctggaaat
                                                                      360
gctggtccgc ggcctggtgg cgaggacggc gggaggggaa ggcgccccgc atgtagtgag
cgctcgctgg gtgttcgctg ccgttccgct cttattaacc gcctggaaac gtcgtccctg
                                                                      420
tgactcaggg acccccgttt gtggggactg aagtcggaac tctggttcca gcgccgccag
                                                                      480
tecetacetg ggtgacettg eccageetet tggetteteg gageeteagt ttteecetet
                                                                      540
gtaaaacggg cgttgttcaa aagtccctgc ctaggagaag gagagccgca gggtccagcg
                                                                      600
gaatctgaga actccaaaga attagcaggc gttcgtctta tatcatgttt agagtcttct
                                                                      660
tetgcatate gggetagagg tgggggaaat etgggattea ggacegteea ceaccacete
                                                                      720
ccacccgctg tgtaaacctg ggtgagtccc cttccctctc tgagctaact gttccttctt
                                                                      780
tcgcaaacga ggtgtaaaag cagatgcctc ggagggtcat tatgaggata aacccacatt
                                                                      840
caattatttg atcaggcgcc tggaacttga taagagagag ctggcttgag aatagctggt
                                                                      900
cttgctatta ggtgccagaa aactgcagtg tantgtgccc ctcagagggt gaatgattgg
                                                                      960
                                                                      991
cccattttct tttggttctg tctctgatta t
     <210> 2183
     <211> 530
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (138)...(530)
     <223> similar to gi403440 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2183
gtocctacag cagococtog gagcaagtoc toctgggagg gcccagccac ctggcctctg
                                                                       60
aggaggagag ccaggggggg tcagcccaac ccctgcccag cacaaagacc ttcgcattcc
                                                                       120
                                                                       180
agacacagat ccagaggggc cgcttcagcg tggtgcggca atgctgggag aaggccagcg
ggcgggcgct ggccgccaag atcatcccct accaccccaa ggacaagaca gcagtgctgc
                                                                       240
                                                                       300
gegaatacga ggeeeteaag ggeetgegee accegeacet ggeeeagetg caegeageet
```

acctcagccc ccggcacctg gtgctcatct tggagctgtg ctctgggccc gagctgctcc

cctgcctggc cgagagggcc tcctactcag aatccgaggt gaaggactac ctgtggcaga tgttgagtgc cacccagtac ctgcacaacc agcacatcct gcacctggac ctgaggtccg

agaacatgat catcaccgaa tacaacctgc tcaaggtcgt ggacctggca

360

420

480 530

```
<210> 2184
<211> 883
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (610)...(806)
<223> similar to gi53041 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2184 60 agtgacctgg aaacaagttc tgatccagaa ggtgaggatt gggatgagga agctgaggat 120 gatggttttg atagtgatag ctcactgtca gactcagacc ttgaacaaga ccctgaaggg 180 cttcaccttt ggaactettt etgeagtgta gateettata atecceagaa etttacagea acaattcaga ctgctgccag aattgttcct gaagagcctt ctgattcaga gaaggatttg 240 300 tctggcaagt ctgatctaga gaattcctcc cagtctggaa gccttcctga gacccctgag catagttctg gggaggaaga tgactgggaa tctagtgcag atgaagcaga gagtcttcaa 360 420 actytyggaa cttcattctg ttaattctgg atggacccct acaacccttt aaattttaag gctccttttc aaacatcagg ggaaaatgag aaaggctgtc gtgactcaaa gaccccatct 480 540 gagtccattg tggccatttc tgagtgtcac accttacttt cttgtaaggt gcagctgttg 600 gggagccaag aaagtgaatg tccagactcg gtacagcgtg acgttctttc tggaggaaga 660 cacacacatg tcaaaagaaa aaaggtaacc ttccttgaag aagttactga gtattatata agtggtgatg aggatcgcaa aggaccatgg gaagaatttg caagggatgg atgcaggttc 720 cagaaacgaa ttcaagaaac agaagatgct attggatatt gcttgacatt tgaacacaga 780 gaaagaatgt ttaatagact ccagggaaca tgcttcaaag gacttaatgt tctcaagcaa 840 tgttgagttg gcagcctgta gtcctagcta gcatacacta cct 883

```
<210> 2185
<211> 528
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(520)
<223> similar to gi4063614 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2185
ctgggaaaca cagttctaca ctactgtagt atgtacagta aacctgagtg tttgaagctt 60
ttgctcagga gcaagcccac tgtggatata gttaaccagg ctggagaaac tgccctagac 120
atagcaaaga gactaaaagc tacccagtgt gaagatctgc tttcccaggc taaatctgga 180
```

```
aagttcaatccacacgtccacgtagaatatgagtggaatcttcgacaggaggagatagat240gagagcgatgatgatctggatgacaaaccaagccctgtcaagaaagagcgctcacccaga300cctcagagcttctgccactcctccagcatctccccccaggacaagctggcactgccagga360ttcagcactccaagggacaaacagcggctctcctatggagccttcaccaaccagatcttc420gtttccacaaggaaaggtccgcccacatcaccaaccacggaggctccccctctgcctct480aggaacgccgggaaaggtccactggcccacctatcactccccataga528
```

```
<210> 2186
<211> 389
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(158)
<223> similar to gi401774 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2186					
cggccgcgtc	tacggcatat	tcttttttg	gaactgtgga	gaatatggct	ccaaaagtgg	60
ttaatcqtcc	aggtcatact	cagagtgctg	actgggggtc	ttttgggggg	ttaatgggaa	120
				taagtgagga		180
				ccctatgtaa		240
				tgttagctgc		300
				tcctgctaat		360
•	atggtgttgg		_	_		389

```
<210> 2187
<211> 568
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(570)
<223> similar to gi1755049 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2187
cgcccacacc attgactgcg ctgcacgaat tcggcacgag gttcaacagg cagtagacag 60
cagggactcc ctggccatgg ctctgtatgc gtgctgcttt gagtgggtaa tcaagaagat 120
caacagcagg atcaaaggca atgaggactt caagtctatt ggcatcctcg acatctttgg 180
átttgaaaac tttgaggtta atcactttga acagttcaat ataaactatg caaacgagaa 240
```

```
acttcaggag tacttcaaca agcatatttt ttctttagaa caactagaat atagccggga
                                                                      300
aggattagtg tgggaagata ttgactggat agacaatgga gaatgcctgg acttgattga
                                                                      360
qaaqaaactt ggcctcctag cccttatcaa tgaagaaagc cattttcctc aagccacaga
                                                                      420
cagcacctta ttggagaagc tacacagtca gcatgcgaat aaccactttt atgtgaagcc
                                                                      480
                                                                      540
caqaqttgca gttaacaatt ttggagtgaa gcactatgct ggagaggtgc aatatgatgt
                                                                      568
ccqaqqtatc ttggagaaga acagagat
     <210> 2188
     <211> 541
     <212> DNA
     <213> Homo sapiens
     <220>
    <221> misc_feature
     <222> (1)...(542)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (7)...(541)
     <223> similar to gi298642 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2188
aggaagcctg gagagcctgg attcaaagga gaaaggggag attttgttat caaaggtgac
                                                                       60
aaaggacctc ctggtggaaa aggccagcct ggggaccctg gaatcccagg ccacaaaggc
                                                                      120
cacacaggee tgatgggtee ecaaggaeta eetggggaga atggaecagt tggaeceeca
                                                                      180
gggcctccag gccagccggg atttccagga ctgagggggg agtctccatc catggaaacc
                                                                      240
ctgcgtcggc ttattcaaga agagctgggg aagcagcttg aaaccagact cgcctacctc
                                                                      300
ctggcccaga tgcccccggc gtacatgaag tcatctcaag gcagacctgg gcccccaggg
                                                                      360
cccctggaa aagatgggct tccaggccgg gccggcccca tgggggagcc aggtcgtcct
                                                                      420
gggcaggggg gtctggaagg accetetgga cecataggte ecaaaggtga geaaggagee
                                                                      480
aaaggtgacc caggtgcaac tggagttggc ctncgaggcg agatgggacc cccttggaat
                                                                      540
                                                                      541
```

```
<210> 2189
<211> 510
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(511)
<223> n = a,t,c or g
<220>
```

```
<221> misc_feature
<222> (510)...(4)
<223> similar to gil237278 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2189
ggtcaaaacc catgtttcta ataaatatgg gactgatttc atctgtnctt cattactcac
                                                                      60
acaagaacag aaatcatgca ttagggaaaa accttacaga tatattgagt gcgacaaagc
                                                                      120
cttgaatcat ggctcacaca tgactgtacg tcaggtaagt cattctggag agaaaggata
                                                                      180
taaatgtgat ctgtgtggca aggtctttag tcaaaaatca aaccttgcgc gtcattggag
                                                                      240
                                                                      300
agttcatact ggagagaaac catacaaatg taatgaatgt gacagaagtt tcagtcgcaa
ctcatgcctt gcactacatc ggagagttca cactggagag aaaccttaca aatgttatga
                                                                      360
gtgtgacaag gtcttcagtc gaaattcatg ccttgcacta catcagaaaa ctcatattgg
                                                                      420
agagaaacct tacacgtgta aagagtgtgg gcaagccttt agtgtgaggt caacacttac
                                                                      480
                                                                      510
caaccatcag gtaattcata gtgacaagaa
```

```
<210> 2190
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(119)
<223> similar to gi577295 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 2190
gggtttgttt ttcttccagg ccccatgtct gtgggtttgg acttctctct gccaggcatg 60
gagcatgtct atgggatccc tgagcatgca gacaacctga ggctgaaggt cactgagtga 120
gtcctatggt gacatcagga agatggaggt gggcaggaag gagtcaggcc tttagggaga 180
tgggtgtgca tattggatac tctaggcaag catgggtcat ttcttgtgtc cagaatcacc 240
tttggtgata gaaattttt tgagaaagga caagaggagc ctttgcttat ctctcacctg 300
tgtctgtgga gtggtgtag catataacgc agcctggggc cagttagcag cccaagtctg 360
tctgtttgcc tgcaggggtg gggagccata tcgcctctac aatttggatg tg 412
```

```
<210> 2191
<211> 454
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (2)...(456) <223> similar to gi2914719 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2191
ctctgtgaaa agacaacctg gctttgggca gacaactgct aaaagacacc ctagccaagg
                                                                       60
acagcagget gtggtcaaag etgeteteag catettgeta aataaagetg taetgeatgg
                                                                     . 120
ctgtcccctc cccagagcag agctagacca gcatacagct gatttcaaag gaggaagttt
                                                                      180
ccctttatcc atagtttcca gttataacac ttgtaacaag aagaaaggag agagtggtgc
                                                                      240
ctggagaaag gtgaacaaca gtcctcgcag gaagtctggc cgcttctctt tacccacctg
                                                                      300
                                                                      360
qaataagcca gacctaagca ctgaaggtat gaaaaataag actatatcac agctgaattg
taacaggaat gcttctctgt caaaacaaaa gtctttagag aatgatctat cactgacgtt
                                                                      420
                                                                      454
gaatttggat cagagactct ctctgggttc agat
```

```
<210> 2192
<211> 866
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (196)...(867)
<223> similar to gi4240205 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2192
atccggtaga tgttcagtac gtgggagctg tgttttacat aagttttctc attccaatgc
                                                                      60
tgaaaacaga gaaaaagatt gaatgtcatg cctgcatcga cagcacatat actaaaattg
                                                                     120
gaatgataca gagaagatta gtatggcccc tgcgcaagga tgacacgcaa atttgtgaag
                                                                     180
cgttccatat ttttaaaatc ttcaaatcta tctgtaacaa ctgatttctc cgaaagcctt
                                                                      240
cagagttcta atattgaatc caaagaaatc aatggaattc atgatgaaag caatgctttt
                                                                     300
gaatcaaaag catctgaatc catttetttg aaaaacttaa aaaggegate acaatttttt
                                                                      360
gaacaaggaa getetgatte ggtggtteet gatetteeag tteeaaceat eagtgeeeeg
                                                                      420
agtcgctggg tgtgggatca agaggaggag cggaagcggc aggagaggtg gcagaaggag
                                                                      480
                                                                      540
caggaccgcc tactgcagga aaaatatcaa cgtgagcagg agaaactgag ggaagagtgg
                                                                      600
caaagggcca aacaggaggc agagagaga aattccaagt acttggatga ggaactgatg
                                                                      660
qtcctaagct caaacagcat gtctctgacc acacgggagc cctctcttgc cacctgggaa
gctacctgga gtgaagggtc caagtcttca gacagagaag gaacccgagc aggagaagag
                                                                      720
gagaggagac agccacaaga ggaagttgtt catgaggacc aaggaaagaa gccgcaggat
                                                                      780
cagcttgtta ttgagagaga gaggaaatgg gagcaacagc ttcaggaaga gcaagagcaa
                                                                      840
                                                                      866
aagcggcttc aggctgaggc tgaggg
```

```
<211> 429
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (1)...(133)
     <223> similar to gi2978255 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 2193
ctcttggtgc tggagcagtt attgggcaca ctgctcccag agatccaggc ctacacgcag
                                                                       60
gagcagtggc taggcagccc tgaggaggcc actgccctgg cagagcggct acagcaggag
                                                                      120
                                                                      180
tcaqctgggc caggactcca gatgagtggg ggctggtctg ggggctgggt gtgcttcccc
tgctcacgac cccagttgag ccagcactgg ggccagtcgt gggttggtgg ctgagagggc
ctgggggctg tgggaaagtg atggtgacag gtgggagttt ggtggtcttg gcttggacgg
                                                                      300
cagagtcaga gatetecagt cacacetgtg tgeteegeat tgtgteetga gaactgaagg
                                                                      360
tgcagagaag ggtgggtcat gccaccgcat gccccttgtt ttctcctcag atctgctagg
                                                                      420
                                                                      429
ctgaacacc
     <210> 2194
     <211> 1878
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (127)...(1123)
     <223> similar to gi3882301 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2194
                                                                       60
ctgctgactg ttttcagttg tttctgtaac agcagaaagt gcactcacta ggagtagtca
gaattcaaaa tgctgaagag aaagccatcc aatgtttcag agaaggagaa acatcaaaaa
                                                                      120
                                                                      180
ccaaagcgaa gcagcagttt tgggaatttc gatcgttttc ggaataattc tttatcaaaa
ccagatgatt caactgaggc acatgaagga gatcccacaa atggaagtgg agaacaaagt
                                                                      240
aaaacttcaa ataatggagg cggtttgggt aaaaaaatga gagctatttc atggacaatg
                                                                      300
                                                                      360
aagaaaaaag tgggtaaaaa gtacatcaaa gccctttctg aggaaaagga tgaggaagat
                                                                      420
ggagagaatg cccacccata tagaaacagt gaccctgtga ttgggaccca cacagagaag
                                                                      480
qtqtccctca aaqccaqtga ctccatggat agtctctaca gtggacagag ctcatcaagt
                                                                      540
ggcataacaa gctgttcaga tggtacaagt aaccgggaca gctttcgact ggatgacgat
                                                                      600
ggcccctatt caggaccatt ctgtggccgt gccagagtgc atacggattt cacgccaagt
ccctatgaca ctgactccct caaaatcaag aaaggagaca tcatagacat tatttgcaaa
                                                                      660
                                                                      720
acaccaatgg ggatgtggac aggaatgttg aacaataaag tgggaaactt caaattcatt
tatgtggatg tcatctcaga agaggaagca gcccccaaga aaataaaggc aaaccgaagg
                                                                      780
```

840

900

agtaacagca aaaaatccaa gactetgcag gagtteetag agaggattea tetgcaggaa

tacacctcaa cacttttgct caatggttat gagactctag aagatttaaa agatataaaa

```
960
gagagtcacc tcattgaatt aaatattgaa aacccagatg acagaagaag gttactatca
                                                                     1020
gctgctgaaa acttccttga agaagaaatt attcaagagc aagaaaatga acctgagccc
ctatccttga gctcagacat ctccttaaat aagtcacagt tagatgactg cccaagggac
                                                                     1080
                                                                     1140
tctggttgct atatctcatc aggaaattca gataatggca aagaggatct ggagtctgaa
aatctgtctg acatggtaca taagattatt atcacagagc caagtgactg aacacgcatt
                                                                     1200
cccaactata tatctacaga tgcattccat tttaactctt cttgagctaa aacgtcaaat
                                                                     1260
aggagaggaa gataagataa atatttgtaa ataaaaccta aagtttaaat gttttaatct
                                                                     1320
qaataattgt acataaaatt ttgtatctct aacattccaa attactgtca ataaaatata
                                                                     1380
tatttattat tttaaatgct atgtgttaat atttcacttg cttgtattag aaaggcaaaa
                                                                     1440
tgtaagactt tggtatgtgt gacatatgct ttatttggct ttattttaca agtacagtat
                                                                     1500
ctgcaaaaaa caaagtaacc ttttttcata cctgccagtt ttgaatttat atatgttatt
                                                                     1560
gaacaaatag taatagagga ttcgctgttg aaacaagttg tccaagcaat gttatattca
                                                                     1620
tttttatact tattgggaaa gtgtgagtta atattggaca cattttatcc tgatccccag
                                                                     1680
tggagtttta gtaattatat tttggtgatt tcttcatttt gttttctggt ataaaagtag
                                                                     1740
                                                                     1800
agataatggg tagtcccttc tgatttagtg aaacccattg taataattgt ggaaatgttt
                                                                     1860
tqtctttaaq tqtaaatatt ttaaaatttg acatacccta atgttaataa taaaaagaac
                                                                     1878
tatttgcaaa aaaaaaaa
```

```
<210> 2195
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (112)...(509)
<223> similar to gi4759365 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2195
gaacttattc ctgcccagag ttcagacaca gccagaaatt accatttcat acttcacaga.
                                                                       60
atggaggttt cagcagccaa agccccaagt gccgcagact tgtctgagat tgaaataaag
                                                                      120
                                                                      180
aaagagatga agaaagaccc tctcaccaac aaagctccag aaaagcccct gcacgaagtg
                                                                      240
cccagtggaa actctttgct gtcttctgaa acgattttaa gaaccaataa gagaggcgag
cgacggaggc gccggtgcca ggtggcattc agctacctgc cccagaatga cgatgaactt
                                                                      300
gagctgaaag ttggcgacat catagaggtg gtaggagagg tagaggaagg atggtgggaa
                                                                      360
ggtgttctca acgggaagac tggaatgttt ccttccaact tcatcaagga gctgtcaggg
                                                                      420
                                                                      480
gagtcggatg agcttggcat ttcccaggat gagcagctat ccaagtcaag taaggaagtc
taccctacca agcaggaga gggcggggga ccggcaggct gtgctccagc ctcccttctg
                                                                      540
                                                                      600
ttctgtatcc tatgccgaga ggctatagta aacgcttacg agtatttttt tggttatact
gccttaaccc actgtggttt aggaagttga tccctataaa ggtgtgaccc gtagccacac
                                                                      660
attetgtatg tetetggata ggtaactgee ageetteatg ceetggtaat actgteteat
                                                                      720
                                                                      780
gggtggccca tgttgctgtg cctccatata cttctagagt gttgcttact gtaagttcat
                                                                      840
aattatttaa aaaatgaacc aaatgggatt gtcagtattt ctcagcatcc cttgagggac
                                                                      856
ttggagaaaa attacc
```

```
<212> DNA
     <213> Homo sapiens
    <220>
     <221> misc_feature
     <222> (11)...(434)
     <223> similar to gi537186 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2196
ttatttaccg aaagagcata tgactttttc tttaatcacg gatgcctgga tttgcccggt
                                                                       60
aaccaataaa atcctggata cggcttttaa aggcttaacc ccttatctgc ctacccatat
                                                                      120
ttcgttcgag catcttaccc tggcgcaata tgacactttt gtcgcgcaga aagtcacaat
                                                                      180
geoggaaate tggaagetgg ategtteaca ggaagactae geagagggte tggeaaaage
                                                                      240
                                                                      300
acqcqactqq qtcaqccatg atccgctgat cgcacaattg cggtcggaaa acgtctggac
agacattaac gatcgtgtcg tggaaggcgg cttctactat cgtactgccg agcactctgc
                                                                      360
                                                                      420
ccagcagtcg tcagaacgtc tgcaaagcta tgaaaagatg ttcaagaatg ggcaactaaa
                                                                      432
tgttctcaac tg
     <210> 2197
     <211> 2018
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (4)...(1302)
     <223> similar to gi1928995 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2197
cttgcggccg cggtgtccct ggaagaggcc ctactgcgcc tcgccgagtt cctctccgtc
                                                                       60
cagctggggg cggaagagag ctgcgggggc ccggcggacc tgggccagtc tggcgaggtc
                                                                      120
ccctcactgt tgacagtgac cagtcagctc ttggcccttc tggcatggct tcgaagcccc
                                                                      180
agggggagge aggeeetget ceaggggaet eageeageee etegggteeg geeeeeetet
                                                                       240
ccagatggat ccacatccca agaagaaagc ccttcccact tcaccgcagt cccaggcgag
                                                                       300
ccactggggg atgagaccca gggacagcag cccctccagt tggaggagga tcagagggcg
                                                                       360
                                                                       420
tggcagcggc tggagcagct catcctggga cagctggagg agctgaagca gcagctggaa
                                                                       480
cagcaggagg aggagttggg tcgactgcgc ctgggcgtgg gggcgacgga ctcagagaaa
                                                                       540
agggttcagc atctgactct ggagaacgag gccctgaagc agagcctgag tctcatgcgg
                                                                       600
gacctcctgc tgcactgggg ccccgggccc cccatcaggg ctccgcagga ggaggcggag
                                                                       660
gcattgctag agctccaggg ccggcttcag gaggcccaag acaccacaga agccctccga
                                                                       720
gcccagctgg gggtgcagga ggtgcagctg cagggccttc aaggggccct ccagcagctc
cagcaggaga cggagcagaa ctgcaggcgt gagctacagc agatgcatgg gcagctggca
                                                                       780
                                                                       840
ggacttcggg cacggatggc cagcctgcgt cagggctgcg gggacctccg aggtttggtc
```

<210> 2196 <211> 432

```
900
agcaccttta cccagagctg tcagggttcg ctgagtgagg cccggggcca ggtgtcctgg
gccttggggg cactgtcatc tggagggcct ggcactcagc tccctgaggg gcagcaaggg
                                                                      960
                                                                     1020
ccccagccg gatgcccagg gcggctgcca gaactcaagg gaaatatccg tgtgctgtgt
                                                                     1080
cggctgaggc cagggacatc ttctagcctt gtgagtgtgg agcctggccc agggggcacc
gtcaccacct gctaccgggg gcgccatcgt cgattccgcc tagactgggt cttccctcca
                                                                     1140
                                                                     1200
gacgccagcc aggaggaggt cttcagagag ctggaacctg cggtgctgtc ctgcctccga
                                                                     1260
ggctacagcg totgcatott cacotatggc cagacaggca ccgggaagac ctacagcatg
gagggccctc ctgaggaccc cggcatagtt cccagggcac aagctcccta gcctctttgg
                                                                     1320
                                                                     1380
atccattgcc cctgagctcc cagagtcacc cctccacctc cgcagccagt gaagtgtgtt
gtgcctgctg aagtgatcac ccccgcccc cagccctgca tcaggccaca ggtcttggct
                                                                     1440
                                                                     1500
ttctccttat caccatttgc tgttatcacg gcacacagca gggaatccca ggcccccccg
                                                                     1560
ccaagtggtt acccaagtca ccactcctga cccaaaaatc aggcatggca ttaaaacgtt
gcaaattcct ttactgttat ccccccacc accaggacca tgtagggtgc agtctttact
                                                                     1620
                                                                     1680
coctaaccog tttcccgaaa aaggtgctac ctcctttcca gacagatgag agagggcagg
acttcagget ggatecacca etgggetete ecteececag eetggageae gggaggggag
                                                                     1740
                                                                     1800
gtgacggctg gtgactgatg gatgggtagt gggctgagaa gaggggacta ggaagggcta
                                                                     1860
ttccaggctc agccctgctc ctgcagcttt gccgctgagt gtaggaaaaa caggcatgac
agaccagggt gagggttgtg cccagctggg ccacggccat gcgtggggtg gcccaataaa
                                                                     1920
                                                                     1980
caccgtggac teccageaag getgetgeet ggtgtttega ggetgetgtg gtegeagaca
                                                                     2018
geegeetege ettggeteee tgtcaacaag gtgggggt
```

```
<210> 2198
<211> 695
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(136)
<223> similar to gill36424 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2198
                                                                       60
ggggaggcag gaggcgttgg ccgccaaggc cctggagccc atcttcctgc ccgtggccga
                                                                      120
getgeatggg etgeggggee atgegaetga tgagegggge aageegtetg ageaactgae
cccaacccga gcaggtacct gggcgtgggt gggctgtgct gggcaaggtc tcaaccaccc
                                                                      180
                                                                      240
gcggggagga gccctgaatc gcagcacctg ccggttgccg tggtgtaaat gttccccagc
                                                                      300
tgagttcgcc ctaaaagcgt ggtgtggctg aacatggagt agggagcaga ggcatgttgg
                                                                      360
cacacgatgt agacacagtg gatatagctg accccaggag gacagttgtg aaatgtagcc
ggggcattag gaagggatgt tttgagtgct tcgttgattt tatttctctg taagtttacg
                                                                      420
aaacaattgt ccagtaataa caaccagctt ttgcatgttt cccggaaatt taatagtctg
                                                                      480
ctctttgagc cagcatgagc tggctctggc accgcactgg ctgggcaaga gttttgccag
                                                                      540
ccagccacgg agcgtttcct tccagggaca agacatgctt cttgaaagct cccgtagggc
                                                                      600
                                                                      660
cccttctgaa tatcttggtt ctggctgcgg gaagaaccct ttggaagggc tctggtttct
                                                                      695
ctgtgcagtt gggtgagaga ggacggggag ggagc
```

```
<210> 2199
<211> 317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(130)
<223> similar to gi5771350 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2199					
gagctccaat	gacctcatgg	acaagatcga	gagcccagag	ccggaagaca	cacaagatgg	60
tctgtaccgc						120
catagagatc						180
aaaaagacga						240
acaagatggc	cccqcqqqaq	gcaggcggag	ctcagtgtgt	ccaataaaac	tgtcttggta	300
gagegecaaa						317

```
<210> 2200
<211> 443
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(434)
<223> similar to gi5106572 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2200
aattcccggg tcgacgattt cgtaaggttt tgaggccttt tttactgcgc cgagttaagg
                                                                      60.
tggatgttga gaagcagatg cccaaaaagt acgagcatgt tatccgctgc aggctctcca
                                                                     120
                                                                     180
agegteaacg etgtetetat gatgaettea tggeacagae cacaactaag gagaeactag
                                                                     240
ccacaggica tttcatgage gtcatcaaca ttttgatgca getgagaaaa gtttgcaate
                                                                     300
atecaaatet gttegaeeet egaeeggtta ceteeeettt cateaceea ggeatetget
teageacege etetetggtg etaagggeea eggatgteea teeceteeag eggatagaea
                                                                     360
                                                                     420
tgggtcgatt tgaccttatt ggcctggaag gtcgtgtctc tcgatatgag gcagacacat
                                                                      443
ttctgccccg gcgcgcggcc gct
```

```
<210> 2201
<211> 1126
<212> DNA
```

```
<220>
     <221> misc_feature
     <222> (29)...(1119)
     <223> similar to gi3327128 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2201
                                                                       60
cggacgcgtg ggtgccaagg agcaggtggt gtttgccaag gatcagccgg tgcacaggga
                                                                      120
ggtgcaggct gaggcaagga ccaacaccat gctgagctgg gagggggccc aagcccagac
ggaggttatg tggtacaagg acgggaagaa actgagctcc agctcgaaaa tgcgtgtgga
                                                                      180
ggccgtgggc tgcacacgga ggctggtggt gcaagaagca agccaagcgg acgccgggga
gtacagetge gaggetgggg gecagegget eteetteeat etgeatgtgg etgageecaa
                                                                      300
ggtggtgttt gccaaggagc agccggcatg cagggaggtg caggcggagg cgggggccag
                                                                      360
tgccacgctg agctgtgagg tggcccaggg ccagatggag gtgacatggt acaaggacgg
                                                                      420
                                                                      480
gaagaagctg agctccagct caaaagtgcg catggaggcc agcggctaca cacggaggct
                                                                      540
ggtagtgcag caggcgggcc aggcggatgc tggggggtac agctgtgagg cggggggcca
acggctgtcc ttccgcctgc acgtggcaga gctggagccc caaatttcag agagaccctg
                                                                      600
ccgcagggag cctctggtgg tcaaggagca tgaagacatc atcctgaccg ccacactggc
                                                                      660
                                                                      720
cacaccctct gcggccacgg tgacctggct caaggatggt gtggagattc gccgcagcaa
geggeatgag acagecagee agggggaeae ceaeaceetg acegtgeatg gegeecaggt
                                                                      780
                                                                      840
tctggacagc gccatctaca gctgccgtgt gggcgcagag gggcaggact tcccagtgca
ggtggaagag gtggccgcca agttctgccg gctgctggag cctgtgtgcg gcgagctggg
                                                                      900
                                                                      960
tggcacggtg acactggcct gcgagctaag cccagcgtgt gcagaggtgg tgtggcgctg
cggcaacacg cagcttcggg tgggcaagcg cttccagatg gtggccgagg ggcccgtgcg
                                                                     1020
ctcactcact gtgttggggc tgcgcgcaga ggacgcaggg gagtacgtgt gtgagagccg
                                                                     1080
                                                                     1126
tgatgaccac accagtgcgc agctcaccgt cagtgtgccc cggcgc
     <210> 2202
     <211> 681
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (2)...(683)
     <223> similar to gi5771350 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2202
taagacagaa gaggacccca agctgttcca gtcaaccaag acccagcggg ggcccctgtc
                                                                       60
cgagaactgg atcgaggagt acaagaagca ggtcttcccc atcatgtgcg catacaagct
                                                                      120
                                                                      180
ctgcaaggtg gagttccgct actggggcat gcagtccaag atcgagaggt tcatccacga
                                                                      240
caccggacta cggagggtga tggtgcgggc tcaccggcag gcctggtgct ggcaggacga
                                                                      300
gtggtatggg ctgagcatgg agaacatccg ggagctggag aaggaggcac agctcatgct
                                                                      360
ttcccqtaag atggcccagt tcaatgagga tggtgaggag gccactgagc tcgtcaagca
```

<213> Homo sapiens.

```
cgaagccgtc tcggaccaga cctctgggga gccccggag cccagcagca gcaatgggga 420 gcccctagtg gggcgcggcc tcaagaaaca gtggtccaca tcctccaagt cgtctcggtc 480 gtccaagcgg ggagcgagtc cttcccgcca cagcatctca gagtggagga tgcagagtat 540 tgccagggac tcggatgaga gctcagatga tgagttcttc gatgcgcacg aggacctgtc cgacacagag gaaatgttcc ccaaggacat caccaagtgg agctccaatg acctcatgga 660 caagatcgag agcccagagc g
```

```
<210> 2203
<211> 776
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(777)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (97)...(576)
<223> similar to gi3044055 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2203
tttcgtgttc cctggaagct gagggtctct ggggctcagt cccggcnnnn nnnnnnnnn
                                                                      60
nnnnnnnnn nnnnnnccc gaccettecc cecagegtgt tecegaggga getgaaggag
                                                                     120
gtgtttgctt catggcggct gcgctgcgca gagcgaggcc gggaggacat cgcagacagg
                                                                     180
cttatcagcg cctcactctt cctgcgcttc ctctgcccag cgattatgtc gcccagtctc
                                                                     240
tttgggctta tgcaggagta cccagatgag cagacctcac gaaccctcac cctcattgcc
                                                                      300
aaggtcatcc agaa'cctggc caacttttcc aagtttacct caaaggagga ctttctgggc
                                                                     360
ttcatgaatg agtttctgga gctggaatgg ggttccatgc agcagttttt gtatgagatc
                                                                      420
                                                                      480
tccaatctgg acacgctaac caacagcagt agcttcgagg gttacatcga cttgggccga
gageteteca caetgeatge ectaetetgg gaggtgetge eccageteag caaggteage
                                                                      540
agatececte titgecețat ecceagatgg etecagaggt teetggagee tgagaaacta
                                                                      600
                                                                      660
ccctttgaag atttttttc tccccttgtt tctcgaggtg tcaccactac tatcccaact
                                                                      720
caggeeect ceaettgeac ecteagagge ectettagag etgggeactg ageeeccagg
                                                                      776
taacagcctc accataccag gaagacatcc tgaagctggg tccactgccc cggcgc
```

```
<210> 2204

<211> 551

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (124)...(213)
```

<223> similar to gi474982 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2204
ggaggcagga gattggactt ggggttgcag ggcattttgt catctcattc ctgcctgttt
                                                                       60
cttcctaaac tgattctctg aagggcatac tctgcctcat accttccttg gctgtgttca
                                                                      120
ttacagggtg atgacggcc ggacgtccgc ggaggatctg gggacatctt actggtccat
                                                                      180
gctactgaga ctgacaggaa aggtagggtg tcagtgagct cactagattg gggctggtcc
                                                                      240
tgccccgggt gccactcggc ctcccaccgc tatcctgtcc cctcctggca gccacagccc
                                                                      300
tgagcaggtc tgatcagcag tcctggtgcg cctgagtcag agcagggaga gcccaccttg
                                                                     360
gaagacaagt agatcatgtt caactccagg cgtgcgtggc atctgtcctc cgctggtaca
                                                                      420
aggtagtgac cccagggcct ccagggtcct tgaggggctc agcgcatact aagcgcacca
                                                                      480
cagacagcgc cttgagtgat ggcatgtcac ccagtagtac taaacttaag ataacatgca
                                                                      540
                                                                      551
qqtacctttt g
```

```
<210> 2205
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (77)...(642)
<223> similar to gi4262637 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2205
ggaggcaaga gaatgccgtg gatatcatgg aaatgacact gacagggaga gcttacaacg
                                                                       60
ccgtgcatat catggaaatg gcaccgatgg ggagagttta gaacaccatg gatatcatgg
                                                                      120
                                                                      180
aaatggtacc gacggggaga gtttagaacg ccatggatat catggaaatg gcaccgacgg
ggagagetta ggacactgtg gatateatgg aaatggcace gacagegaga gtttacaaeg
                                                                      240
ctgtggatat catggaaatg gcaccgacgg ggagagctta ggacgccgtg gatatcatgg
                                                                      300
aaatggcacc cacagcgaga gtttagaaca ccgtggatat catggaaatg gcacccacag
                                                                      360
cgagagttta gaacaccatg gatatcatgg aaatggcacc gacagggaga gcttagaacg
                                                                      420
tcgtggatat catggaaatg gcaccgacag ggagagttta gaacgccgtg gatatcatgg
                                                                      480
aaatggcacc cacagcgaga gtttagaaca ccgtggatat tatggaaatg gcaccgatgg
                                                                      540
ggagagttta gaacgccgtg gatatcatgg aaatgtcacc gacggggaga gcttagaacg
                                                                      600
                                                                      640
ccatggatat catggaaatg gaaccgatgg ggagagcccg
```

```
<210> 2206
<211> 431
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (5)...(331)
<223> similar to gi755484 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2206
                                                                       60
taaatatott attttatggt gttttcacct ggaagctgag aagaaagggg ctttaatgga
acaaatagca catcaagctg ttgtaatgca gtttattatg gaaatggcca aaaactgtaa
                                                                      120
tgtggatcca agagggtgtt ttcgtttatt tttccagaaa gccaaagcag aggaagaagg
                                                                      180
ttattttgaa gcattcaaaa atgaacttga agctttcaag tcaagagtaa gactttattc
                                                                      240
tcaatcacaa agttttcaac ctatgacagt tcagaatcat gttccccatt ctggtgttgg
                                                                      300
atctataggt ttattagaat ccttaccaca ggtaagttgg aaaagtaaat atttgtttta
                                                                      360
taagcctatt aattcacata atttttgtta ttttgcccca ctctttttt tttttaatag
                                                                      420
                                                                      431.
gggctactat t
```

```
<210> 2207
<211> 362
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(365)
<223> similar to gi41564 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 2207
gtctgttggg gccgcagctg cccggtacgc gcgttaccga aagtattcac aaagtggctg aacgcgtggt aacgctggtg tcgatggaac tgccggacaa cgtgcggttg attcgtgatt 120
acgatcccag cctaccggaa ctggcgcacg acccggatca aattgaacag gtcttgctga 180
atattgtgcg caatgcgcta caggcgctgg ggccggaagg cggtgaaatc attctgcgta 240
cccgcaccgc gtttcaactg accttacacg gcgagcgcta ccggctggcg gcgcggattg 300
atgtggaaga taacgggccg ggcattccgc ctcatttgca ggatacgctg ttttacccga 360
tg
```

```
<210> 2208
<211> 466
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (10)...(464)
<223> similar to gi2723316 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 2208 cgactcgaga aagtgcatac tggagagagt ccttacaaat gtaatgagtg tggcaaggtc 60 ttcagtcgaa ttacatacct tgtacgacat cagaaaattc atactagaga gaaacctcat 120 aaatgtaaca aatgtggcaa ggtttatagt agcagttcat acctagcaca acattggaga 180 attcatacag gagagaaact ttacaaatgt aataaatgtg gcaaagaatt tagtgggcat 240 tcaagcctca ccacccatct gttaatccac actggagaga aaccttacaa atgtaaagaa 300 tgtgacaaag cttttaggca caagttctcc ctgacagttc atcagagaaa tcataatgga 360 420 gagaaacctt ataaatgtca tgaatgtggc aaagtcttca ctcaagtttc acatcttgca 466 cqacatcaga aaattcacac tggagagaaa ccttacaaat gtaatg

```
<210> 2209
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(426)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(425)
<223> similar to gi498736 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2209
agaaacccta caaatgtaaa gaatgtggct tagcctttag caggtactca acccttacta
                                                                       60
                                                                      120
cccataagag aattcattct ggagagaagc cctacaaatg tgatgaatgt ggcaaaacct
                                                                      180
ttaqcatatc ctcaaccttt actaaacata agataattca tactgaagag aaaccctaca
                                                                      240
_aatqtaaaqa atqtqqcaaa gcctttaacc ggtcctcaac ccttactagc cataagagaa
tacatactgg tgagaaaccc tacaaatgtg aagaatgtgg caaagccttt aactggtctt
                                                                      300
                                                                      360
caactettac taaacataag gtaatteata etggagagaa geeetacaaa tgtgaagaat
                                                                       420
gtggcaaagc ttttaaccag tcttcaagac ttactcgaca taaaaaaatt catactggag
                                                                       425
aggan
```

```
<210> 2210
<211> 390
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(391)
<223> similar to gi2055392 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 2210			•	•	
gggagtgagt gccagggca	ac tgacctggac	acccgcaact	gtaccagtga	cctctgtgta	60
cacactgett ctggccctg	a ggacgtggcc	ctctatgtgg	gcctcatcgc	cgtggccgtc	120
tgcctggtcc tgctgctgc	t totcctcatc	ctcgtttatt	gccggaagaa	ggaggggctg	180
gactcagatg tggctgact	c gtccattctc	acctcaggct	tccagcccgt	cagcatcaag	240
cccagcaaag cagacaac	c ccatctoctc	accatccaqc	cggacctcag	caccaccacc	300
accacctacc agggcagte	t ctatececaa	caggatgggc	ccaqccccaa	gttccagctc	360
accaatgggc acctgctca			J	_	390
accaatggge accegeted	,g cccccc <sub>555</sub> c				

```
<210> 2211
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(532)
<223> similar to gil73381 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2211
                                                                      60
tttcgtcctt ccagggccgc acgctgcgga tcgggcgcga gcactacctg cggccctgcg
tgccctgcca cagcccgctc tgcccggagc ccgccgcctg cagccacgat gggaaactct
                                                                     120
tgtctagtga tgtgactcat tacgtgatcc cagactggaa agttgttcaa gattatcttg
                                                                     180
agatccttga gtttcctgag ttgaagggaa ttattttcat gcagacagct tgtcaagctg
                                                                     240
                                                                     300
tgcagcatca aagaggcagg agacagtata acaaactgcg aaacctgctg aaggatgcgc
gtcatgattg cattetettt getaatgaat tecageaatg etgetatetg ecaegggaaa
                                                                     360
gaggagagte catggagaag tggcagacca ggagcatata caacgcaget gtttggtact
                                                                     420
atcatcactg ccaggacagg atgccaattg ttatggtgac agaagatgaa gaggcaattc
                                                                     480
agcagtatgg aagtgaaaca gaaggagtat tcgtgattac tttcaaggga attctgaatg
                                                                     540
tcaacaaaca cagagcccaa atagaagctt ttgttcgact tcaaggagcc agcagtaaag
                                                                     600
attcagattt agtcagtgac atcctaatcc acgggatgaa ggctcgaaac cgctcaattc
                                                                     660
                                                                     682
atggagatgt ggtagttgtg ga
```

```
<210> 2212
    <211> 729
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (1) . . . (730)
    <223> n = a,t,c or g
    <220>
    <221> misc feature
    <222> (84)...(408)
    <223> similar to gi2950398 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
    <400> 2212
tttcgtgcca tgcaagacgt gactttgctt ctccttcccc ttctgccatg atttgtgatg
                                                                       60
cctcctcagc catgtggaac tgagtcatgg ccggcttcaa catggggggc gacctcaggg
                                                                      120
agectgeege cageatteee etgggeteee tggeagetgt tggeateteg tggtttetgt
                                                                      180
                                                                      240
acategiett egietteete eigggegeea teigeacteg agaggeeett egetaigaet
tectgatage ggaaaaggta teceteatgg getteetgtt eettttggge ttatacatet
                                                                      300
cgtccctggc ttcctgcatg ggaggacttt atggagetec ccgcatcctg cagtgcattg
                                                                      360
cccaggagaa agtgatccct gcacttgcct gtctgggaca aggggtgagt aatcctcttt
                                                                      420
ttttggtttg ttttttgaaa catgttttgc tgctaacctc actgttggcc catcaattgg
                                                                      480
                                                                      540
ttaagetttt etgateagag eetetggtea atttetttgg ggtgacacag aaaataatge
agaggtcatt tettteagee etgteetetg getggettag gntagggeta agtagatgaa
                                                                      600
gcatcttata tgtcccagcc acccagccc ttagcacttt taggactgng ttagctaacc
                                                                      660
agtectagta ccatettgga ccetgageag catgaaaatg cagtgeecca teetttaatg
                                                                      720
                                                                      729
aaaatgaat
     <210> 2213
     <211> 746
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (256)...(744)
     <223> similar to gi4322346 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2213
                                                                        60
tttcgtctgc atgtggagtt tccaaaaact cccaagctgt gggaaccatg acaattattt
                                                                       120
tcactgggaa tagagcagct ccacctatca tgatgcctat gcactctctc cctaaagctc
                                                                       180
caagtcaaat gctggatcca cactttggct tcctggggac ccctgagtgt ccccggtaag
                                                                       240
atggggetea gggetggtgg ectetgeete aggetgageg geeetgagtg tgtgetgaat
```

```
ccctctctct gcccagctcc caacacagag acagagccct tgctgacctg gaagaaggcc
                                                                      300
caggagacag tgccctggaa catcatcctt ctcctgggag ggggcttcgc catggccaaa
                                                                      360
ggctgtgagg aatcggggct gtctgtatgg attggtgggc agctgcaccc cctggagaat
                                                                      420
gtgccccccg ccctggctgt gctgctcatc actgtggtca tcgccttctt cactgagttt
                                                                      480
gccagcaaca cggcgaccat catcatcttc ctgccggtcc tggcagagct ggccatccgc
                                                                      540
ctgagagtgc accccctgta tctgatgatt ccgggcacag tcggctgctc ctttgccttc
                                                                      600
atgctcccgg tctcaacgcc ccccaactcc atcgccttcg cctctggaca cttgctgqtc
                                                                      660
                                                                      720
aaagacatgg tgcggacagg cctcctgatg aacctgatgg gtggtctgtc tgctagtttg
                                                                      746
ggcatgaata cttgggcaca gaccat
```

```
<210> 2214
<211> 777
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(772)
<223> similar to gi438007 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2214
                                                                  60
cttatttata atqaaqatat qatttqttgg attgaatcaa gagaatcttc aaatcaactc
aaatgtatcc agataacaaa agcaggagga ttaacagatg aatggacaat caatattctt
                                                                 120
caateettee acaatgtgea acaaatggeg attgactgge teactegaaa tetetatttt.
                                                                 180
gtggaccatg tcggtgaccg gatctttgtt tgtaattcca acggttctgt atgtgtcacc
                                                                 240
ctgattgatc tggagcttca caatcctaaa gcaatagcag tagatccaat agcaggaaaa
                                                                 300
360
aaccqaacaa qqataattga ttcaaagaca gagcagccag ctgcactggc actagaccta
                                                                 420
gtcaacaaat tggtttactg ggtagatctt tacttggact atgtgggagt agtggactat
                                                                 480
                                                                 540
caaqqaaaaa atagacacgc tgtcattcaa ggcagacaag tcagacatct ttatggtata
actgtgtttg aagattattt gtatgcaacc aattctgata gctacaatat cgtaaggata
                                                                 600
agccgattta atgggactga tattcactca ttaattaaaa ttgagaatgc ttggggaatc
                                                                 660
cgaatttatc aaaaaagaac tcaaccaaca gtcagaagcc atgcatgtga agtcgatcca
                                                                 720
tatggaatgc cagggggctg ttcacacatc tgtctactca gcagcagtta cacgaaa
                                                                 777
```

```
<210> 2215
<211> 738
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(740)
<223> similar to gi2988422 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2215
                                                                       60
tttcqtgttc ctggcacgag gccccagcgg cctcctgctc tacaacgggc agaagacgga
cggcaagggg gacttcgtgt cgctggcact gcgggaccgc cgcctggagt tccgctacga
                                                                      120
cctgggcaag ggggcagcgg tcatcaggag cagggagcca gtcaccctgg gagcctggac
                                                                      180
cagggtetea etggagegaa aeggeegeaa gggtgeeetg egtgtgggeg aeggeeeeeg
                                                                      240
                                                                      300
tgtgttgggg gagtccccga aatcccgcaa ggttccgcac accgtcctca acctgaagga
geogetetae gtagggggeg etecegaett cageaagetg geoegtgetg etgeogtgte
                                                                      360
ctctggcttc gacggtgcca tccagctggt ctccctcgga ggccgccagc tgctgacccc
                                                                      420
                                                                      480
ggagcacgtg ctgcggcagg tggacgtcac gtcctttgca ggtcacccct gcacccgggc
                                                                      540
ctcaggccac ccctgcctca atggggcctc ctgcgtcccg agggaggctg cctatgtgtg
                                                                      600
cctgtgtccc gggggattct caggaccgct ctgcgagaag gggctggtgg agaagtcagc
gggggacgtg gataccttgg cctttgacgg gcggaccttt gtcgagtacc tcaacgctgt
                                                                      660
gaccgagage gaaaaggeae tgeagageaa eeaetttgaa etgageetge geeetegtge
                                                                      720
                                                                      738
caagcttggc gtagtcat
```

```
<210> 2216
<211> 390
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (34)...(286)
<223> similar to gi2708329 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 2217
<211> 601
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (108)...(160) <223> similar to gi3878265 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2217
ttttttttt ttgagggttt tctgttattt ctttattggg gtgggggtgg ggtgcatcat
                                                                      60
teagatettt gtgetggtge etacgtgeat acaagtacae acacacae acacacae
                                                                     120
gcatgtgttc acgtatgtat acatatacac acaaggccag agctctagtg tgctggagga
                                                                     180
ggggcaagct ctttttccaa gagggtatta gaaagaggtt gattccagag gatgagtggt
                                                                     240
ctctgaggct atagccccc actgggtggg cagccagctc tgtgagaatg ccagggtgca
                                                                     300
gctgacagcg ctggaggcct ggggactgga ctctgagagg agcttgggca gacacagcag
                                                                     360
ceteeggeee caacactgee etgggttgge aggeecagee etggteetga caggeaggte
                                                                     420
cttgagctcc tcgggagggc gtgacgaccc ttagtgtttc atgggaccac tcggtgggcc
                                                                     480
ctcctccgtg ccaggcctgt cagaggacaa ccctccggtc caggtggtcc ccacgcccgc
                                                                     540
tecgetggtg cegeetegtg ecgaatteet geagegeggg teaatgeaaa gggtggeece
                                                                     600
                                                                     601
```

```
<210> 2218
<211> 361
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(358)
<223> similar to gi3876094 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2218
acaacctgga tcaggacaac gcccgtgttg gggataggtt catgcggctc attgaacccg
tggctgcag cctgccgtac atgacatgcc ctgggaatca tgaagaacgc tacaacttct 120
ctaactacaa ggctcgcttc agcatgccgg gggataatga gggcctgtgg tacagctggg 180
atctgggtcc cgcccacatc atctccttct ccaccgaggt ctatttcttt ctccattatg
gccgccactt ggtgcagagg cagtttcgct ggctggagag cgacctccag aaagccaata 300
agaaccgggc agcccggccg tggatcatca ctatggggca ccggcccatg tactgacgaa 360
a
```

```
<210> 2219
<211> 510
<212> DNA
<213> Homo sapiens
```

<220>

```
<223> similar to gi1814270 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2219
                                                                       60
tttcgtggtg gctgtgggca gagtgcaggc acagaggcag gattactgct ggatgccgca
aggactteet gtggagaaaa tgtetgttet gttgeetgtg tgateteagg geeceacaga
                                                                      120
                                                                      180
acacaatcca tcacccatgg ggcagaacgt gtgaaaacag caagaccggc agaagcaagc
ggcgcgagga ctcagagcga tcgatattcg tgcggttaaa agaaggtggc taccggctgc.
                                                                      240
                                                                      300
gagagaacat cotottocat ototacgtga gcacotcocc otgtggagac gcaagactco
                                                                      360
actotocota ogagatoaco acagacotgo acagoagoaa acacotogto aggaagttoo
gegggcacct gegeaccaag ategagteeg gggaagggae ggteecegtg egtggeecea
                                                                      420
                                                                      480
gcgcagtgca gacctgggac ggcgtcctgc tgggggagca gctgatcacc atgtcctgca
                                                                      510
cqqacaagat cgccaggtgg aacgtcctgg
     <210> 2220
     <211> 385
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (6)...(388)
     <223> similar to gi147423 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2220
tttcgtcggg cgggatcggt tacattcgcg cctatctttt acaaaaaggc gagatcaacg
                                                                        60
tcggtgcgaa gctggtcgtt ctcggcggcc cggcaatgaa catcggtctt ggcggtggtg
                                                                       120
cagcgtcttc tatggcgtct ggtcagtctg atgccgacct cgactttgct tccgtacagc
                                                                       180
gcgacaaccc ggagatggag cgtcgctgcc aggaagtgat cgaccgttgc tggcagcttg
                                                                       240
                                                                       300
gtgatgccaa cccaatcctg tttatccacg acgttggcgc tggcggtctt tctaacgcca
tgccggaact ggtgagcgac ggcgggcgcg gcggtaaatt tgaactgcgc gagattctaa
                                                                       360
                                                                       385
qcqacqaacc gggcatgagc ccgct
      <210> 2221
      <211> 1320
      <212> DNA
      <213> Homo sapiens
```

<221> misc\_feature <222> (174)...(513)

<220>

<221> misc feature

<222> (10)...(1171) <223> similar to gi619577 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2221
 tttcgtgctg acagcacttc agtggggagt ttcccgtcgg gagagagcag tgaccagggt
                                                                        60
 ccccggacgc ccacccagcc tctgttggag tctggcttcc gctcaggcag cctgggacag
                                                                       120
 cccagcccgt ctgcccagag aaactaccag agctcttctc ctctcccgac tgtgggcagt
                                                                       180
 agctacagca gccccgacta ctcacttcag catttcagct cctctccgga aagccaggct
                                                                       240
 cgageteagt teagtgtgge tggegteeac aeggtgeetg ggageeetea ggegegeeac
                                                                       300
 agaacagtgg gcaccaacac tccccctagt cctggcttcg gctggcgggc catcaatccc
                                                                       360
 agcatggctg ecceageag teccagtttg agceateace agatgatggg tecaceagge
                                                                       420
 actggcttcc atggtagcac tgtctccagc ccccagagca gtgcagcgac caccccgggg
 agccccagcc tgtgtcggca cccagcaggg gtctaccagg tttctggcct ccacaacaaa
                                                                       540
                                                                       600
 gtggccacca ccccggggag tcccagcctg ggccggcacc ctggggctca ccaaggcaac
 ctggcctccg gtcttcatag caatgcaata gccagccctg gaagccccag cctgggccgt
                                                                       660
                                                                       720
 cacctcggag ggtctggatc tgtggttccc ggcagcccct gcttggaccg gcatgtggcc
                                                                       780
 tatggtggct attctacccc ggaggatcgg agacccacac tgtcccggca gagcagtgcc
 tetggetace aggeteette caegecetee tteeetgtet eccetgeeta etaeeetgge
                                                                       840
                                                                       900
 ctgagcagec etgecacete ecegteacea gacteegeag cetteeggea agggagecea
                                                                       960
 acaccageet tgccagagaa gegaaggatg teagtgggag acegggeagg eageeteece
 aactatgcca ccatcaatgg gaaggtgtct tcgcctgtcg ccagcggcat gtccagtccc
                                                                      1020
 agtgggggca gcaccgtctc cttctcccac actctgcccg acttctccaa gtactccatg
                                                                      1080
 ccagacaaca gcccggagac gcgggctaaa gtgaagtttg tccaggacac ttctaagtat
                                                                      1140
 tggtacaagc ctgagatctc cagggagcag ggtgagtgct gggctctgtg gtgcatcaga
                                                                      1200
 ggccataget ggctgaggee tgctgtgtet teeetgggea aggaacagag gcaaatteag
                                                                      1260
/ teetetttgt ageagggggt cateaeagag ggggetgggg ttgaagetgg acagtaegaa
                                                                      1320
```

```
<210> 2222
<211> 535
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (101)...(534)
<223> similar to gi517115 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2222
caattcccgg gtcgacgatt tcgtgtactt ctgttggggc gccgactcca gggagctgca 60
gcgccggagg acggcggca gccccggggc tgagctactg caggcggca gcggggagcg 120
ccactctctg ctgctgctga ccaaccacag ggtcctctcg tgcggagaca acagcagggg 180
tcagctgggc cgcaggggcg cgcagcgcg ggagctgcca caaccaattc aggcattgga 240
aaccctaatt gttgatctcg tgagctgcgg gaaggagcac tccctggctg tgtgccacaa 300
aggaagggtc ttcgcatggg gagctggtc tgaagggcag ctggggattg gagaattcaa 360
ggaaataagt ttcacaccta agaaaataac gactctgaat gatataaaaa taatacaagt 420
```

```
ttcctgtgga cactaccact ccctggcatt atcaaaagat agccaagtgt tttcgtgggg 480 aaagaacagc catgggcagc tgggcttggg gaaggagttc ccctcccaag ccagg 535
```

```
<210> 2223
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(489)
<223> similar to gi4101718 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2223	,				
tttcgtctgg	gaacccgcag	cctggggact	cctccggcgg	gggcgctggg	ggcgggctgc	60
cqtcccctgg	ggagcaggag	ctgagccggc	gcttgcagcg	cctgtatccc	gcggtcaacc	120
				caaatacaac		180
				caaaaatcac		240
				catttattac		300
				actctcggct		360
				ttaccatggt		420
				cacattcacc		480
tgatcg		33 3				486
-33						

```
<210> 2224
<211> 671
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (91)...(639)
<223> similar to gi4226115 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2224
cccgggcgac aatttcgttg gagagtttgc gtggcgggaa cgcggcggca gtgagagcga 60
gcggcgccgg cccttgcgtc cggtgcggcg atgctgaccc cggcgttcga cctcagccag 120
gatccggact tcctgactat cgccatccgc gtgccctacg cccgggtctc cgagttcgac 180
gtctacttcg aggggtctga cttcaagttc tacgccaagc catactttct cagattaacc 240
cttcctggaa gaattgtaga aaatggaagt gagcaagggt cctatgatgc agataaagga 300
atttttacca ttcgcctgcc caaagaaacc cctggccagc attttgaggg gctgaacatg 360
```

```
ttaactgctc ttctggcacc aagaaaatcc aggacagcaa aaccacttgt ggaagaaata 420 ggtgcttctg agattcctga ggaagtagtt gacgatgaag agtttgattg ggaagattgag 480 cagacaccct gtgaagaggt atcagaaagt gctttgaatc cgcagtgcca ctatggattt 540 ggaaacttac gatcaggagt gttgcaacgg ttacaggatg aactgagtga tgttattgat 600 attaaggatc cagattcac ccctgcagct cagcggccag gcgcttctgt cttcgttcag 660 ctgcagtcga c
```

```
<210> 2225
<211> 588
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(554)
<223> similar to gi5327052 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2225
                                                                      60
tttcgtggag aacccctacc cgttccagtg caccatcgat taccccacta agcagaccaa
                                                                     120
gttcaagggc atgaagagct acateteeta caagetggtg cecaegeaca egeaggtgee
                                                                      180
ggtgcatcgg cgctacaagc acttcgactg gctgtacgcg cgcctggcgg agaagttccc
ggtcatctcc gtgcccacc tgcccgagaa gcaggccacc ggccgcttcg aggaggactt
                                                                      240
catctctaag cgcaggaagg gcctgatctg gtggatgaac cacatggcca gccacccagt
                                                                      300
gctggcgcag tgcgacgtct tccagcactt cctgacgtgc cccagcagca ccgacgagaa
                                                                      360
agcctggaag cagggcaaga ggaaggccga gaaggacgag atggtgggcg ccaacttctt
                                                                      420
cctgaccctt agcacgcccc ccgccgctgc ccttgacctg caggaggtgg agagcaagat
                                                                      480
cgacggette aagtgettea ccaagaagat ggacgacage gegetgeage teatecacae
                                                                      540
                                                                      588
ggccaacgag ttcgcgcgca tgcaggtgac cggcttcaaa aaggattt
```

```
<210> 2226
<211> 1328
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (290)...(1150)
<223> similar to gi3924880 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2226
cgagttcggc tccttggcag tgtgtgcccc tgacccaggt gtgttggtgt cagctggtag
```

```
cttcatcctg tttgtttttc agatgatcat gcaccctaag ggctcatcta ggctccctga
gagcacctcc tttctgtgtc tgttctcagg aatgctgttg agctctcctg ttgcaggagc
                                                                      180
atgagegeca ggggetetgg tgtetgaaca gegtgttttg caggatgaet ttgecaacga
                                                                      240
                                                                      300
tgtggatgct ctgctggaag aaggcctttg tgcccccaaa aagaggcgaa cagaggaaaa
                                                                      360
atatggcgga gacagcgacc atccgtccga tggagagaca agtgtgcagc cgatgatgac
                                                                      420
caagattaaa acagtgctca aaagtcgtgg ccgcccacct acagagccgc tgcccgacgg
                                                                      480
gtggatcatg acattccata actctggagt cccggtgtac ctacacagag agtctcgggt
ggtcacctgg tccaggccat acttcttggg aacgggaagc atacggaaac acgaccctcc
                                                                      540
                                                                      600
tctgagtagc atcccttgtc tgcattataa gaaaatgaag gacaacgagg aacgggagca
                                                                      660
aagcagtgac ctcaccccta gtggggatgt gtcccccgtc aagcccctga gccgatctgc
agagetggag ttteccetgg atgageetga etetatgggt getgaeeegg ggeeeeegga
                                                                      720
cgagaaagac ccactagggg ctgaggcagc ccctggggcc ctggggcagg tgaaggccaa
                                                                      780
agtcgaggtg tgcaaagatg aatccgttga tctcgaggaa tttcgaagct acctggagaa
                                                                      840
                                                                      900
gcgttttgac tttgagcaag ttactgtgaa aaaattcagg acttgggctg agcggcggca
                                                                      960
attcaatcgg gaaatgaagc ggaagcaggc ggagtccgag aggcccatct tgccagccaa
                                                                     1020
tcagaagctc attactttat cagtgcaaga tgcacccaca aagaaagagt ttgttattaa
                                                                     1080
ccccaacggg aaatccgagg tctgcatcct gcacgagtac atgcagcgtg tcctcaaggt
                                                                     1140
ccgccctgtc tataatttct ttgaatgtga gaacccaagt gagccttttg gtgcctcggt
                                                                     1200
gaccattgat ggtgtgactt acggatctgg aactgcaagc agcaaaaaac ttgcgaagaa
taaagctgcc cgagctacac tggaaatcct catccctgac tttgttaaac agacctctga
                                                                     1260
agagaagccc aaagacagtg aagaactcga gtattttaac cacatcagca tcgaggactc
                                                                     1320
                                                                     1328
gcgggtct
```

```
<210> 2227
<211> 1309
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (193)...(743)
<223> similar to gi5823366 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2227
agtacatace gaatteeetg gtegacteea egegteegga tetaggeace ggteegagtg
                                                                      60
                                                                      120 -
cetgecetet greecegegg etgggreteg tetgeteegg treetggget cetaattett
ggtccagctt cttccaggtc tgcgcgtctg ttgttcccag cgctctgcga agcctgaaaa
                                                                      180
ggaggagcaa cctgtccaga atccccgcag gacaggaaaa ggaggggaaa tctcgacatg
                                                                      240
                                                                      300
gaaaaactct acagtgaaaa tgaaggaatg gcttcaaacc aaggaaagat ggaaaatgaa
                                                                      360
gaacagccac aagacgagag aaagccagaa gtaacttgta ctctggaaga caagaagtta
gaaaacgagg gaaagacaga aaacaagggc aaaacaggag atgaggaaat gttaaaggat
                                                                      420
                                                                      480
aaaggaaagc cagagagtga gggagaggca aaagaaggaa agtcagagag ggagggagag
                                                                      540
tcagagatgg agggaggatc agagagagag ggaaaaccag agatagaggg aaagccagag
                                                                      600
agtgaaggag agccagggag tgaaacaagg gctgcaggaa agcgcccagc tgaggatgat
                                                                      660
gtacccagga aagccaaaag aaaaactaat aaggggctgg ctcattacct caaggagtat
                                                                      720
aaagaggcca tacatgatat gaatttcagc aatgaggaca tgataagaga atttgacaat
                                                                      780
atggctaagg tgcaggatga gaagagaaaa agcaaacaga aattgggggc gtttttgtgg
                                                                      840
atgcaaagaa atttacagga ccccttctac cctagaggtc caagggaatt caggggtggc
                                                                      900
tgcagggccc cacgaaggga cattgaagac attccttatg tgtagtgtcc ctggcaggca
```

```
tttaccaggc catgtgcttt aacgttacgg taatacttta ctttaggcat ccctcctgtt 960 gctagcagcc ttttgaccta tctgcaatgc agtgttctca gtaggaaatg ttcatctgtt 1020 acatggaaaa aatgttgatg gtgcattgta aaattaaaaa acacaacttg cagaaccaaa 1080 tatatggcat ccgtacattt ttgtaaaact acaaagatac ttacctagta atatagtata 1140 gaaaacaatt ctgaaagctg tgtccactaa aagattaaca gtggttatct ctgggtgatt 1200 taaaaaataat aaaatataaa gtattggaaa acagtgaaaa aaaaaaaaa 1309
```

```
<210> 2228
<211> 1118
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5) ... (1105)
<223> similar to gi3127926 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2228
                                                                       60
cccacgcgtc cgcgatgagc tcaatgtgaa gccagagggg acccgaattg cggtggctca
gtacagcgat gatgtcaagg tggagtcccg ttttgatgag caccagagta agcctgagat
                                                                      120
                                                                      180
cctgaatctt gtgaagagaa tgaagatcaa gacgggcaaa gccctcaacc tgggctacgc
gctggactat gcacagaggt acatttttgt gaagtctgct ggcagccgga tcgaggatgg
                                                                      240
                                                                      300
agtgetteag tteetggtge tgetggtege aggaaggtea tetgaeegtg tggatgggee
agcaagtaac ctgaagcaga gtggggttgt gcctttcatc ttccaagcca agaacgcaga
                                                                      360
                                                                      420
ccctgctgag ttagagcaga tcgtgctgtc tccagcgttt atcctggctg cagagtcgct
                                                                      480
toccaagatt ggagatotto atocacagat agtgaatoto ttaaaatcag tgcacaacgg
                                                                      540
agcaccagca ccagtttcag gtgaaaagga cgtggtgttt ctgcttgatg gctctgaggg
                                                                      600
cgtcaggagc ggcttccctc tgttgaaaga gtttgtccag agagtggtgg aaagcctgga
                                                                      660
tgtgggccag gaccgggtcc gcgtggccgt ggtgcagtac agcgaccgga ccaggcccga
                                                                      720
gttctacctg aattcataca tgaacaagca ggacgtcgtc aacgctgtcc gccagctgac
                                                                      780
cctgctggga gggccgaccc ccaacaccgg ggccgccctg gagtttgtcc tgaggaacat
                                                                      840
cctggtcagc tctgcgggaa gcaggataac agaaggtgtg ccccagctgc tgatcgtcct
                                                                      900
cacggccgac aggtctgggg atgatgtgcg gaacccctcc gtggtcgtga agaggggtgg
                                                                      960
ggctgtgccc attggcattg gcatcgggaa cgctgacatc acagagatgc agaccatctc
cttcatcccg gactttgccg tggccattcc cacctttcgc cagctgggga ccgtccaaca
                                                                     1020
ggtcatctct gagagggtga cccagctcac ccgcgaggag ctgagcaggc tgcagccggt
                                                                     1080
                                                                     1118
gttgcagcct ctaccgagcc cctcgtgccg ctcgtgcc
```

```
<210> 2229
<211> 948
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (41)...(941)
<223> similar to gi4063770 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 2229 tcaaaacaaa acatgcaaga aacatatatc acaatcatgt tggacagtcc atgatcgtac 60 attactatct gtgattgaca gtcttccaga gattattgaa acattggaag ttatagcaag 120 ccattcttca aatacaagtt tcgccgatga attgagtcat ttgctgacat tggtttccaa 180 atttgaattt gtettttgtt tgaaatteet gtategagtg etgagtgtta eaggaattet 240 ttccaaagag cttcaaaata aaaccataga cattttttct ttgtcttcaa aaatagaagc 300 aattttggaa tgtttatcat ctgaaagaaa tgacgtatac tttaaaacaa tctgggatgg 360 aacagaggaa atatgtcaaa aaataacctg taaaggtttt aaagttgaaa aaccttctct 420 tcagaaaaga agaaaaattc agaaatcagt agatcttggc aattcagata atatgttttt 480 tcctacttca acagaagaac aatataaaat taatatctat taccaaggat tagatactat 540 attacaaaat ttaaagttat gtttttcgga gtttgattat tgcaaaataa agcaaatttc 600 agaactgtta tttaaatgga atgaaccatt aaatgaaaca acagcaaaac atgttcagga 660 attttataaa cttgatgagg acattatccc agaacttaga ttttatcgac attatgcaaa 720 780 gcttaacttt gtcatagatg atagttgcat aaacttcgtc agtctcggct gtttgtttat 840 teageatggt ctteaeagta atatteettg teteteaaag etattatata ttgetttgte ttggccaatt acttcagcaa gtactgagaa ctcattttct accctgcctc gtcttaagac 900 948 atatttatgt aataccatgg gacaagagaa gcttactggc ccagccct

```
<210> 2230
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(414)
<223> similar to gi5881841 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2230 60 cctcaaagtt attattattg caacaccata tatgcatcat tatatgaagc atcagaaaaa aggaatacat cgttgtacaa aatgcaggct gcagtttttg acatgcaagg agaaaatgga 120 tcataagact caacaccatc gaacatttat aaaacctaaa caactagaag gattgcctcc 180 tggaacaaaa gttactattc gagcttcagt tggacctctg caatcaggag cttcacctac 240 accttccatt agtgcaagtg cttctaccct tcagctctca cctccaagga ctaaaaatat 300 360 aactqctaaa aatcctqcaa aatctaatac aagtaaacct aatacaatca aatccaacgc aagtaaacct aatacaagta agcctaatgg aagtaaatct aaatacaaac caaaaatctc 420 427 taatatg

```
<210> 2231
<211> 825
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)...(826)
<223> similar to gi2463544 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2231 tttcgtgcgg ggctggggc tcggcccgcc ttgccctgag gcgctgggtg ccttccagtt 60 ggctgcgacc agcggtgact tacaagttgg ctgctgtcgc ctgcgcatcg gcgggccggg 120 aggctgagca gtactgttga gagcggtgtg aggtgcttgg tagcggcgg tagctgcttc 180 240 cacgtccttg cttcacctca ggtaaagaga gaagtaatgg aaggcctgtc tgatgttgct 300 tcttttgcaa ctaaacttaa aaacactctc atccagtacc atagcattga agaagataag tggcgagttg ctaaaaaaac gaaagatgta actgtttgga gaaaaccctc agaagaattt 360 aatggatatc tctacaaagc ccaaggtgtt atagatgacc ttgtctatag tataatagac 420 catatacgcc cagggccttg tcgtttggat tgggacagct tgatgacttc tttggatatt 480 540 ctqqaqaact ttgaagagaa ttgctgtgtg atgcgttaca ctactgctgg tcagctttgg aatataattt ccccaagaga atttgttgat ttctcctata ctgtgggcta taaagaaggg 600 cttttatctt gtggaataag tcttgactgg gatgaaaaga gaccagaatt tgttcgagga 660 tataaccatc cctgtggttg gttttgtgtt ccacttaaag acaacccaaa ccagagtctt 720 ttgacaggat atattcagad agatctgcgt gggatgattc ctcagtctgc ggtagataca 780 825 gccatggcaa gcactttaac caacttctat ggtgatttac gaaaa

```
<210> 2232
<211> 1317
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (575)...(1319)
<223> similar to gi2655902 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2232

ggccctgaag ggatctcttg tccagaatta aacactgatc accagtggac cagagctgcc 60
tggagcacat cttcactggg ctgcataatg gtttttaaaa aatcctggag cctctatttt 120
agcatctcga tttgagatat gaagatccat gtttcttgag tttttcttaa acgacagaag 180
attttgcttc ccagactagc atccctctgt ggctacaacc agcctgaacc gaggggtctg 240
ccctttagaa gggcccagct cacgggctca ctgtgcactc aggccctagc cagcctgctg 300
tacgtaggtg tttgcgattt catcattggc cttgtttaa cagacagcag agcagagcac 360
ctgccataaa gcaagcctcg atgtgctaag tgccatgtg agcccttgcc ctgctggggc 420
```

```
tegetgetee catttgaget gecacagate ageceeteee eecagggtet eegaggagte
                                                                      480
aggaccgcac agcctgccct cctagggaag gacttcctca gggaaggcag gcatgtggaa
                                                                      540
gccaggtgca gagtcctggc ctctccacac aggtgccgcc caggtgatgt ggtttgagaa
                                                                      600
gctgtatgct ggcctgcagt gcgtagagaa gtacctcatc taccccgccg tggtgctcaa
                                                                      660
cgccctcacg gtggacgccc acacagtcgt cagccacccg gacaagtact gcttctactg
                                                                      720
cegggegetg etgatgaceg tggetggget gaagetgetg egeteageet tetgetgeee
                                                                      780
cccacagcag tacctgacgt tggccttcac cgtcctgctc ttccactttg actacccgcg
                                                                      840
ceteteccag ggetttetge ttgactactt ceteatgtee etgetttgea geaagetgtg
                                                                      900
                                                                      960
ggacttgctg tacaagctgc gtttcgtgct gacctacatc gcgccctggc agatcacctg
gggctcggct ttccacgctt ttgcccagcc gtttgccgtg ccacactcgg ccatgctgtt
                                                                     1020
cgtccaggcc ctgctctcgg ggctcttctc cacgcctctc aacccactgc taggcagtgc
                                                                    1080
cgtcttcatc atgtcctacg ctcggcccct caagttctgg gagcgcgact acaacactaa
                                                                     1140
acgtgtggat cattccaaca cccgcctggt cacacagctg gacaggaacc ctggcgctga
                                                                     1200
tgacaacaac ctcaactcca tcttctatga gcacttgaca cgttcgctgc agcacacact
                                                                     1260
gtgtggggac ctggtgctgg gccgctgggg caactatggc cctggtgact gcttcgt
                                                                     1317
```

```
<210> 2233
<211> 713
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(715)
<223> similar to gi5051630 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2233
tragetrage tiggracgag gaaaggigtt citgtgiger tigtettitg titactitge
                                                                       60
caaagcattg gcagaaggct atctgaagag caccatcact cagatagaga gaagggttga
                                                                      120
                                                                      180
tatcccttct tcactggtgg gagttattga tggtagtttt gaaattggga atctcttagt
tataacattt gttagctact ttggagccaa acttcacagg ccaaaaataa ttggagcagg
                                                                      240
gtgtgtaatc atgggagttg gaacactgct cattgcaatg cctcagttct tcatggagca
                                                                      300
gtacaaatat gagagatatt ctccttcctc caattccact ctcagcatct ctccgtgtct
                                                                      360
cctagagtca agcagtcaat taccagtttc agttatggaa aaatcaaaat ccaaaataag
                                                                      420
taacgaatgt gaagtggaca ctagctcttc catgtggatt tatgttttcc tgggcaatct
                                                                      480
                                                                      540
tettegtgga ataggagaaa eteccattea geetttggge attgeetace tggatgattt
tgccagtgaa gacaatgcag ctttctatat tgggtgtgtg cagacggttg caattatagg
                                                                      600
                                                                      660
accaatettt ggttteetgt taggeteatt atgtgeeaaa etatatgttg acattggett
                                                                      713
tgtaaaccta gtcattttta ggtggaagca tgttacagca cattatcgag gaa
```

```
<210> 2234
<211> 344
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (248)...(346)
<223> similar to gi2440078 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 2234
aaatccccaa acctacttag gtctactctg tatttgtgtt ttcaaataat ttttttagct 60
tccaaataga agcgttgtat tcttttctga attagaaaac attgttcgac ttaactgcta 120
aagagttaga caatcatttt gcatatgttt attatgtctt agattgtttg cattgttacc 180
tagattctct ttcatcttc aatgtcagtt tttattggtt tattatatgt tgtttatttt 240
ctttttagga agccaccatt cttcagaggg caatgaaggc acagaaatgg aagtaccagc 300
agaagatgat gattattctc caccgtctaa gagaccaaag gcca 344

```
<210> 2235
<211> 642
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(631)
<223> similar to gi790585 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2235 geaatattgg aggetgeatt teagtttetg teacceetce ageagaattt gtttaaattt 60 tgtctgtccc ttcgttctta ctcagctaca atccaagcct tccagcagat agcagctgat 120 180 qaacctccac cagaaggatg taattcgttt ttttcagtgc atggaaagaa gacttgtgaa 240 totgatacco ttgaggotot totactgaca goototgaaa gacccaaacc tttattgtto 300 aaaggagatc acagatatcc ctcgtctaat cctgaaagcc ctgtggtgat tttctactct gagattggct ctgaggaatt ttccaatttt caccgccagc ttatatcaaa aagcaatgca 360 ggcaaaatca actatgtatt cagacattat atatttaatc ccaggaagga gcctgtttac 420 480 ... ctctctqqct atqqcqtqqa attqqccatt aagagcactg agtacaaggc caaggatgat actcaggtga aaggaactga ggtaaacacc acagtgattg gtgaaaatga tcctattgat 540 600 gaggttcagg ggttcctctt tggaaaatta agagatctgc accccgacct ggagggacag 642 ttgaaagaac tcagaaagca tcttgtagag agcacctgta tt

```
<210> 2236
<211> 343
<212> DNA
```

<213> Homo sapiens

<220>
<221> misc\_feature
<222> (32)...(345)
<223> similar to gi5824882 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2236
tggttccaca gggcagaccc cgctgcactc acagggagga ggaggcggca gcggcggagg 60
aaggcggcgc accccgagag gcatgccaa agaaaaatac gagccccctg accctcggag 120
gatgtataca attatgtctt ctgaggaagc agcaaatgga aagaaatccc actgggcaga 180
gcttgaaata agtggaaaag taagaagctt aagcgcatct ttgtggtcac taactcacct 240
gacagctttg catttgagtg acaattccct gtcccgaatt ccttcagaca ttgccaagct 120
tcacaatctg gtgtatttgg acctgtcatc taataaaatt cgg
300
343

<210> 2237
<211> 1067
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (263)...(1054)
<223> similar to gi2982501 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 2237 cageetteca aggtagggea caccaaggee taaggaatea gaaagggeee gagggtggge 60 tgtgtcctgg ctttcaggcc ctggggcgac caccagcctc tgctcactct gaggctccag 120 180 ccagggcgcc aagcctcagg accgtgggtg gggcccaagg acactctgga cccccgttcc attcatgaga ggccctcagc acgccacgtg tctgctgtga cagcccgcag ggagggtgga 240 ageettetgt aaatteeaca tgtgggeega gggeatgaeg teettgatga aggeegeget 300 ggacctcacc taccccatca cgtccatgtt ctccggagcc ggcttcaaca gcagcatctt 360 cagogtotto aaggaccago agatogagga cotgtggatt cottatttog coatcaccac 420 cgacatcaca gcctcggcca tgcgggtcca caccgacggc tccctgtggc ggtacgtgcg 480 540 tgccagcatg tecetgteeg gttacatgee ecetetetgt gaccegaagg acggacacet gctgatggac gggggctaca tcaacaacct cccagcggat gtggcccggt ccatgggggc 600 660 aaaagtggtg atcgccattg acgtgggcag ccgagatgag acggacctca ccaactatgg 720 ggatgcgctg tctgggtggt ggctgctgtg gaaacgctgg aaccccttgg ccacgaaagt 780 caaggtgttg aacatggcag agattcagac gcgcctggcc tacgtgtgtt gcgtgcggca 840 gctggaggtg gtgaagagca gtgactactg cgagtacctg cgccccccca tcgacagcta cagcaccctg gacttcggca agttcaacga gatctgcgaa gtgggctacc agcacgggcg 900 960 cacggtgttt gacatetggg geegeagegg egtgetggag aagatgetee gegaceagea 1020 ggggccgagc aagaagcccg cgagtgcggt cctcacctgt cccaacgcct ccttcacgga 1067 ccttgccgaa attgtgtctc gcattgagcc cgccaagccc gccatgg

```
<210> 2238 -
     <211> 533
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (28)...(534)
     <223> similar to gi3879755 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2238
cgctgctaat tatgacttat ttcaactgaa aaacaacaaa aaaagtcaac tctgccaaaa
                                                                       60
gegattgtat cctccagaga tagtgacatt attgatttca ggctatttgc caagttgaat
                                                                      120
getttetgtg teattgtttg caacgaaaag aacaaaateg eegaaateaa gatteaagga
                                                                      180
                                                                      240
ctqqattcct ccctttctct ccagtcaaga aagcagtcac tttttgcccg actagaaaat
attattgtca cagatgttga tccaaagaca gttcataaga aagctgtgtc aataatggga
                                                                       300
aatgaagttt teegttttaa tttggatttg tateeagatg etaetgaggg ggatttggat
                                                                      360
actgacatgt ccaaagtgga tggtgtgctg tctctgaatg atggctgtat tcagattggc
                                                                       420
                                                                       480
tatcttcata aattccttat gtcacttctg aacttcctga ataatttcca gaccagacaa
gagtetetga gtgetgecae tggecaeget geaaaaaggg etgecaeaag tgg
                                                                       533
     <210> 2239
     <211> 992
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (15)...(995)
     <223> similar to qi2104558 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2239
cggacgcgtg ggccgagacc cgccattgga cggctctgac ttttgctgtg ttgcatggac
                                                                        60
                                                                       120
atatteetgt agtteagete eteetggatg etggggeeaa ggtggaagge teagtggage
atggcgagga gaactactcg gaaacacccc tccagctggc agctgctgta ggaaattttg
                                                                       180
```

240 300

360

420 480

540

600

660

agctggttag tttgctgttg gagcgtggtg ccgatcccct gataggaacc atgtacagga

atggaattte tacaaccccc cagggtgata tgaactettt cagccagget geageccacg

gacacaggaa tgtgttccgc aaactgctcg cccagccaga gaaggagaag agtgatatcc tgtccctgga ggagattctg gccgagggga ctgacctggc ggagacagcc ccgccccct

tgtgcgccag ccgcaacagc aaggccaaac tgagggccct gagggaggcc atgtatcaca

qcqctqaqca tqqctacqtq gatgtcacaa ttgatatcag gagcataggc gtcccgtgga

ctctgcacac gtggctggag tctttgcgga tcgccttcca gcagcaccgc aggcctctca

tccagtgctt gttaaaggag tttaagacca ttcaggagga ggaatacacg gaggagctcg

```
ttacccaagg cctgcccctg atgtttgaga tcctgaaagc gagcaagaat gaagtgatca
                                                                     720
gccagcagct gtgcgtcatc ttcacacact gctacgggcc ctaccccatc cccaagctca
                                                                     780
cagaaatcaa acggaaacag acctcgcgct tggatcctca ttttcttaac aataaagaaa
                                                                     840
tgtctgatgt tacatttctg gtagaaggaa gaccatttta tgctcacaaa gtgctgttat
                                                                     900
ttacagecte tecaagggte aaageactee tetecageaa geegacaaat gatggeacet
                                                                     960
                                                                     992
gcatagagat tggttatgtg aaatactcca tc
     <210> 2240
     <211> 417
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (22)...(418)
     <223> similar to gi4185940 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2240
ggtcgaccca cgcgtccgca tctatacact tgtattaact cccactttga ctccaggaaa
                                                                       60
agtgtaatgt tggttcgagc tcaagaagga atctggattc cgataacttt acctagacct
                                                                      120
tgggaatcet ceceteaac acatttaatt aatgaagtgg tacaacgaat tetaaaaaga
                                                                      180
                                                                      240
tctaagatat ttgttttcac tttaatcgct gttatcatgg gcctaattac agtcactgca
atggccacca ctgctggaat ggcattacac cagtccattc aaacggctca ttttgttaat
                                                                      300.
gattggcaag ccaattccac ccaaatgtgg aattctcaac aaggcatcga tcaaaaattg
                                                                      360
gcaaatcaaa ttattgattt aagacagtct gttatttggc ttggagatcg ggtagtg
                                                                      417
     <210> 2241
     <211> 196
     <212> DNA
   <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (9)...(124)
     <223> similar to qi3097312 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2241
                                                                       60
ggcacgagtt cttacctctg aagacaatgt taggaccaag atatgatagt caagttgctg
                                                                      120
aagaaaatcg gttccatccc agcatgctct caaattacct aaagagccta aaggtaagaa
                                                                      180
acaaaattta tttttgtcac tgatttaata tactttgttc agtcttggtc ttcaggtggc
```

ttttaaaaaa atctta

196

```
<210> 2242
<211> 1366
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1367)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (3)...(103)
<223> similar to gi1304189 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2242
ctcaacccct gaaccactac ttcatctgct cttctcataa cacctaccta gtgggggacc
                                                                    60
agctttgtgg ccagagcagc gtcgagggat atatacggtg cagtggtggt agagaagggg
                                                                   120
tccaactcat gagagggacc atgtagaaaa gtgaggggag ctgtcagtgt ctaacagatt
                                                                   180
gggacagtgt tgtgggggtt taggggctga ggagccctgg ataccagaga cacttggagg
                                                                   240
agatattgaa gactggtggg agaatggtaa tgaaacccta tgggtcaatg gaacttctct
                                                                   300
                                                                   360.
ttcacaagct atgaaactct cctggaactc agaggccctg acagatttat atttaacaaa
ttaataaaca gattgttaaa tggaaggcaa tagagaatag gagttaaaaa tataggttct
                                                                   420
ggagtcagac catctgaaat tatatcctag ctccttcact tggtactctg gggctaagta
                                                                   480
tttaacttct atacctcagt ctccccatct gtgaaacagg gatggtaaca gtgcctattc
                                                                   540
tgtctgggtt gttgtgaaga gataattcat atgtcaatag ctaataagca gttctgattt
                                                                   600
                                                                   660
tattgtgact aatcatggat tagattgaat agtcaagata tetttetatt accagcaact
gaactagtag cttcaaggga tacaaagatg agtggaacat atagtttcca ccttaagaag
                                                                   720
tctagctgag gaattaaagg gtaanattta ctgacaggtt gaataacccg gatgttgtat
                                                                   780
840
                                                                   900
nnnnnncag cacggagaac gtttggaccc cgaatttgga acaagctggg caccattggg
gagccgtttg cccaaaaggc cgaattcccc ggctggggta ggtggtttag taccacgctt
                                                                   960
cgggagggg gggcgagatc ggttaacctg agaggaaggg tgaggtagca cgttgacaca
                                                                  1020
                                                                  1080
cggcctgtca tcggtggagg aatgtaagcg tgttagaagg aaagaggggc gcagtttgat
gaaacgtgct atggtcgggg tggggatgat attgtatggc gccagtaggt atcgagcggc
                                                                  1200
ggatatatgg gagtggggag gaagcgggta gtacgtaacg tagtgagaat gaaggagggg
agtagcattg gatgatggtg tgtagagtgg gaggtaggta tcgtcggatg gacggaagga
                                                                  1260
agggagtgta ggatggtgtg gtaggtatgg aagctacgag aggtgagttg gtaagcacgg
                                                                  1320
                                                                  1366
cacagtaggt gagggaggtt agctagtgag ggaatgtagg gagggc
```

```
<210> 2243
<211> 633
<212> DNA
```

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (44)...(635)
<223> similar to gi2224699 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2243
cccacgegte egeggacgeg tgggtgacet tggtgeteae cetgatgtge aagacegaat
                                                                       60
gggctgtact cccacaatga gggctgcaga actgggccat gaattgtcaa tggaaatatt
                                                                      120
agcaaaggca aaggctgata tgactatagt tgataatgaa ggaaaaggtg ttttgtttta
                                                                      180
ctgcatttta ccgactaagc ggcattatcg ctgtgctctg atcgcccttg aacatggtgc
                                                                      240
                                                                      300
agatgtcaac aattctacct atgaaggaaa gccaatattc cttagagctt gtgaagatgc
acatgatgtt aaagatgtgt gcctgacatt tttggaaaaa ggagccaatc ctaatgcaat
                                                                      360
caactcatcc acaggccgca cagctttaat ggaagcgtca agagaagggg tagtggaaat
                                                                      420
agttcgaggc atattggaaa gaggaggtga agtgaatgca tttgacaacg acaggcatca
                                                                      480
cgctgctcat tttgctgcta aaggaggctt tttcgatata ttgaagcttc tttttgccta
                                                                      540
caatggagac gtggggctga tttcgataaa tgggaacaca ccacttcatt atgctgccat
                                                                      600
                                                                      633
qqqtgqtttt gcagactgct gtaaatatat aga
```

```
<210> 2244
<211> 799
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (794)...(205)
<223> similar to gi3873550 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2244
                                                                       60
ttttttttt ttgatgcttg cagagcaact cccaataact tgatcttcaa gacgggaatt
                                                                      120
acticigati acactetgag aatatetgic atetgeetti gacacettat aagtigatie
ttgagcatta atttctccat cagatagcct ttgggttgat gactcaagag atgcttgtgg
                                                                      180
                                                                      240
ctgcaacacc tgtaactctt gcattgggaa aaccatcttc ttgctttgaa gatggataca
catctgagtc aagctttctt tcagcataag actttgggtc aggggaagtt atgttatttt
                                                                      300
                                                                      360
gtaatgtctg acaatgagta gaggatgcaa aagatgatga ctggacagca ggcaaaaact
tctgggactg gggagatgat gactcttgag tctgaacatt ttgggaagaa tgcatagaaa
                                                                      420
tataattctg ggtcgggcta gagtctggca aattctgagc ccgagaggca gaagaataag
                                                                      480
                                                                      540
aaagagaagg ggctgttaat gttagggact cccctgaagc atagctttct gaaagactaa
                                                                      600
caactgacaa aacttgtgat tgagatgaat agctaacctg tgtctggcta actggtgata
aaccctgaga gtgaccagat gagtaacttt gagactgact tactgaagac agatctcttg
                                                                      660
                                                                      720
tttgagcagg gtaattctca tttgtaactg aagacaatac ctcttgctga ttagatgaat
                                                                      780
aattaagcgt ctgattttca ggagttatag tctgagatga cccagaaaaa gtcaatgttt
                                                                      799
tatacaaggg tggcaattt
```

```
<210> 2245
    <211> 422
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (1) ... (423)
     <223> n = a,t,c or g
    <220>
     <221> misc feature
    <222> (46)...(423)
    <223> similar to gi487785 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 2245
atcatgtnnn nnnatgatat teettggteg acceaegeet eeggtggaaa aacetttatt
ttccattcaa gttttcgaag acacatggta atgcacagtg gggatggaac ttataaatgt
                                                                      120
aaattttggg ggaaagcctt ccattctttc agtttatatc ttatccatga aagaactcac
                                                                      180
actggagaga aaccatatga atgtaaacaa tgcggcaaat cctttactta ttctgctacc
                                                                      240
cttcaaatac atgaaagaac tcacactggg gagaagccct atgaatgtag caaatgtgat
                                                                      360
aaagcatttc atagttctag ttcctatcat agacatgaaa gaagtcacat gggagagaag
cettateaat geaaagaatg tggaaaagea tttgeatata ceaegtetet tegtagaeat
                                                                      420
                                                                      422
ga
     <210> 2246
     <211> 658
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (16)...(224)
     <223> similar to gi2511715 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

<400>	2246					
gccatggagt	acacagggag	caaatatatc	ggggaatatg	tagatgggag	gatggagggc	60
	acatcctccc					120
	agggaaccct					180
	ccataaaggg					240
					caatggcttg	300
			-			

.400- 2246

```
aagcctgcaggtatggctcaactcaccaatatggacccacctagaaaaatccccaagggc360tattacgattgtggagacggcttctataacccagtcacgagggtagtcaaggactatagg420aaccgctttctaagaaacgcagatgatgacgagcatgagtggatcacccgtacctgtcga480aagggctaggatgagatcgtgggtcacaggcccgagccgtgaactctgtggctgcctcca540ccagaggtttccatctgcctactagcattggctgccctgggggacgggctgtagttcta600gaacctgattttaactcaggaataaagactttctgcggtcagtggcaaaaaaaaaaaa658
```

```
<210> 2247
<211> 772
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (202)...(746)
<223> similar to gi467292 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2247
gaggcggggc ctgacgtagc tgatcccagc ctaacctggc ccggctggct gctggtggga
                                                                       60
                                                                      120
ggccggcgac tgagtaagat gaagatccag tttcagacat gagactcgtt gggtgatcat
ttcattgaga tcaacctgaa tgaccaggtg taaagtgcaa gagtaatatg ctatgactga
                                                                      180
                                                                      240
qtaactatqt ttccqqtagc ccctaaaccc caggattcca gtcaaccatc agacagactc
                                                                      300
atqactqaaa aacaqcagga agaagcagaa tgggaaagca taaatgtgct attgatgatg
                                                                      360
catggcttaa aacctttgtc tctagtcaaa agaacagatc tcaaagatct catcattttt
gacaaacagt catcacaaag gatgagacag aatttgaaat tgttggtgga agaaacatca
                                                                      420
                                                                      480
tqtcaacaqa acatqataca ggagcttata gaaactaatc aacagcttag aaatgaactt
cagctagage aaagccgage agccaatcaa gaacaacgag ctaatgactt ggaacaaatt
                                                                      540
                                                                      600
atggaaagtg tgaaatccaa aattggtgaa ttggaggatg aatcactaag tagggcttgc
caccaacaga ataaaataaa agatcttcaa aaggagcaga aaactttaca ggtgaagtgc
                                                                      660
                                                                      720
cagcattata agaaaaaacg aacggagcaa gaagaaacta ttgcttcttt gcaaatggaa
gtctgtagat taaaaaagga ggaagaagat cgcattgtca ctcaaaacag ag
                                                                      772
```

```
<210> 2248
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (82)...(453)
<223> similar to gi3329636 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2248
                                                                       60
tttcgtggcc ggtcgggcag cgctgcggga gcagccgccg gcaccgccgc cttgcaccat
                                                                      120
cqcatcatgt ccgggcagct ggagcgttgc gagcgcgaat ggcacgagct ggagggagaa
tttcaagaac tgcaggagac gcacaggatc tacaagcaga agctggagga gctggctgcg
                                                                      180
                                                                      240
ctgcagacgc tgtgtagcag ttccatcagt aagcagaaga agcacctcaa ggacttgaag
                                                                      300
cttacactcc agaggtgcaa acgccatgcc agtcgggagg aggcggagct cgttcagcag
atggcagcga acatcaagga gcggcaggac gtcttcttcg acatggaggc ctacctgccc
                                                                      360
                                                                      420
aagaagaacg ggctctactt gaacctggtc ctcggcaatg tgaacgtgac cctcctcagc
aaccaggcca agttcgccta caaggacgaa tatgagaagt tcaagctcta cctgaccatc
                                                                      480
atcctgctcc tgggtgccgt ggcatgtcga tttgtccttc actacagggt gactgacgaa
                                                                      540
gtcttcaact tcctgctggt gtggtattac tgcaccctga ccattcggga gagcattctc
                                                                      600
                                                                      620
atcagcaacg gctcaagaaa
```

```
<210> 2249
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (181)...(757)
<223> similar to gi1262142 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2249
                                                                       60
tttcgtgcga gaggttggtg ggtgtctccg gccacaatga cccaggctga gaagggtgat
                                                                      120
acggagaacg gaaaggagaa gggcggcgag aaggagaagg agcagcgcgg cgtgaagcgg
                                                                      180
cccatcgtgc ccgcgctggt gccggagtcg ctgcaagagc aaatccagag caacttcatc
                                                                      240
attgtcatac atccaggttc aacaacttta aggattggtc gagccacaga cactcttcct
                                                                      300
gccagcattc ctcacgtcat tgcccgaaga cacaaacaac aagggcagcc cctatacaag
                                                                      360
gacagttggc tcctaaggga gggactaaat aaaccagaaa gtaatgaaca aagacaaaat
                                                                      420
ggccttaaaa tggtggatca agcaatatgg tctaaaaaga tgtccaatgg tacaagacgc
                                                                      480
attectgtgt cecetgaaca ggeacgetee tacaataage agatgegace tgeaatttta
gatcactgtt cgggaaataa gtggacaaat acatctcatc accctgagta tttagtagga
                                                                      540
                                                                      600
gaagaggcct tgtatgttaa tccactggac tgttacaata ttcactggcc tatcagaaga
                                                                      660
ggtcagttaa atattcaccc aggccctggg ggctctctta cagctgttdt ggcagatatt
                                                                      720 4
gaagtaatat ggtctcatgc gatacaaaaa tacttggaaa tcccactgaa agatttaaag
                                                                      756
tattatagat ggatcttggt aattcctgat atctat
```

```
<210> 2250
<211> 427
<212> DNA
<213> Homo sapiens
```

```
<221> misc_feature
<222> (3)...(430)
<223> similar to gi4426629 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400>	2250					
cgctggacaa	ggacacggga	ctcatcatgc	tgattgccag	gctggactat	gagctcatcc	60
	cctgacgatc					120
	tgtgttggat					180
	gcgggagaac					240
	ccctcccaac					300
	cgacatcagc					360
tggattatga	acagatatcc	aatgggctga	tttatctgac	ggtcatggcc	atggatgċtg	420
qcaaccc	_					427

```
<210> 2251
<211> 704
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (220)...(624)
<223> similar to gi5923786 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2251					
tttcgtgtga	gggagagccg	agggaaccag	cgcggtgcct	agcggaactc	cagggctgga	60
		ctgctagctg				120
		aataatgttt				180
		aagacctggg				240
		caaatgtggg				300
		gcatgccctc				360
		aatcaacatc				420
		acgctccatc				480
		gaccatgttc				540
		ggcggaaggt				. 600
		gttctttgga				660
		aatcattgcc				704
_	_	<b>-</b> ,				

```
<210> 2252
<211> 2166
<212> DNA
```

# <2213> Homo sapiens <220> <221> misc\_feature <222> (361)...(1276)

<223> similar to gi4322670 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2252
                                                                       60
tataatttag actotgtaco tagtootgot gaggaatttg cagattttgc cacattttcc
                                                                      120
aaaaaqqaaa ggatacaatt agaagaaata gaatgtgcag ttttaaatga tagagaagca
ctaaccattc gggaaaacaa taaaattaat agagtcaatg aactgaattc tgtaaaagaa
                                                                      180
gtggctttgg gtagaagctt ggataacaaa ggagacactg atggagagga tcaggtttgt
                                                                      240
                                                                      300.
gtttcagaaa taagcatagt gactaacaga ggtttcagtg ttgaaaaaaca aggccttcca
acactgcaac aggatgaatt tttacagtca ggtgttcagt caaaggcttg gagtttggta
                                                                      420
gactcagctg ataattcaga agccattagg agagaacaat gtaaaactga agaaaaactt
gacttactta cttctaaatg tgctcaccta tgcatggatt ctgttaaaac ttctgatgat
                                                                      480
gaagttggtt ctcccaaaga agaaagtaga aagtttacta atttccaaag cccaaacatt
                                                                      540
                                                                      600
gaccccacag aagaaaatga tttggatgat tctttaagtg taaaaaatgg tgatagtagt
                                                                      660
aatgactttg tgacttgcaa tgatatcaat gaagatgatt ttggtgattt tggtgacttt
ggctctgcca gtggctcaac tccacctttt gttactggta ctcaagattc aatgagtgat
                                                                      720
                                                                      780
gccacttttg aagagtcttc agagcacttt ccacatttta gtgaaccagg tgatgacttt
                                                                      840
qqaqaatttg gggatataaa tgctgtttct tgccaagagg agacaatatt aacaaagtca
                                                                      900
gacctaaaac agacttctga taatttatca gaagaatgtc aattggcaag aaaatctagt
                                                                      960
qqaacaggca ctgaacctgt tgcaaaactt aaaaatgggc aagaaggtga gattggacat
tttgattctg tgccaaatat tcaggatgac tgcaatggtt ttcaagactc tgatgatttt
                                                                     1020
                                                                     1080
quagactica gitcagcigg tectagciaa gitgiagati ggaatgetti tgaggatgaa
                                                                     1140
caaaaagata gttgttcttg ggctgctttt ggagaccagc aggctactga atctcatcat
                                                                     1200
cqaaaqqaaq cctggcagtc acataggaca gatgaaaata ttgatactcc aggaaccccc
                                                                     1260
aaaacqcaca gtgtaccttc agcaacttcc aaaggagcag ttgctagtgg ccatttacag
                                                                     1320
qaatcaqcca cttcagttca gacagcttta ttaaaccgcc tggagcgaat tttcgaagca
                                                                     1380
tgttttcctt ccatacttgt ccctgatgct gaagaggaag ttacttccct gaagcacttg
ctggaaacaa gcactttgcc aataaaaacg agagaggcct tacctgaaag tggggaattg
                                                                     1440
                                                                     1500
ctagatgtgt ggactgaget acaggatatc catgatgcac atggcttgag ataccagtgg
ggcggctccc atagcaacaa gaagcttttg tcctccttgg gaatagacac ccgaaacatt
                                                                     1560
ctcttcacgg gcaataagaa gcagcctgtt atagtgccca tgtatgcagc aggattgggt
                                                                     1620
atgttagage ccaccaagga accactgaaa ccactttctg ctgcagaaaa aatagcttcc
                                                                     1680
                                                                     1740
atoggtoaga cagocaccat gtoaccagat atgaacacat gtacatotga toagttocag
                                                                     1800
gagtetetae caccegteca gittgactgg agtageagtg geettaetaa ceetttagat
                                                                     1860
ggtgtggatc cggagttgta tgagttaaca acttctaagc tggaaatctc cacctcaagc
                                                                     1920
ctcaaagtga ctgatgcatt tgcaagactc atgtctacag tagagaagac aagcacatct
accagtagga aaccgaaaag agaagagcac ctaagtgaag aagctatcaa ggtgatcgct
                                                                     1980
                                                                     2040
ggccttcctg acttaacatt catgcatgcc aaggtgttga tgttcccagc cacgttaaca
                                                                     2100
ccttccacaa gctctcaaga aaaagcagac ggataactga tgtgaattgg acagtttcta
                                                                     2160
ttgcttttcc ttttttccat cccttcccta ccatcaaaag catacctgct ctaattaaaa
                                                                     2166
aaaaaa
```

<sup>&</sup>lt;210> 2253

<sup>&</sup>lt;211> 803

<sup>&</sup>lt;212> DNA

```
<220>
     <221> misc feature
     <222> (4)...(801)
     <223> similar to gi4138207 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2253
aagctgtgga gtgagacctt cgatgtgtgc gtcaatcaga tgcttacatc caaggaaatc
                                                                       60
aaacgtcagg aggcgatctt tgagctttcc caaggagaag aagacttgat agaagacttg
                                                                      120
aaattagcaa aaaaggccta tcatgacccc atgctgaaac tctccataat gacagaacaa
                                                                      180
gagttgaatc aaatttttgg aacactggac tctctaattc ctctacatga agagctcctt
                                                                      240
agtcagcttc gagatgttag gaagcctgat ggctcgactg aacatgttgg tcccatcctc
                                                                      300
gtgggctggc tcccttgcct cagctcctat gatagctact gcagcaatca agtagccgcc
                                                                      360
aaagctctgc tggaccacaa aaagcaagat caccgagtcc aggatttcct acagcgatgt
                                                                      420
                                                                      480
ttaqaatccc cctttagccg caaactagat ctctggaatt tcctcgatat tccaagaagc
                                                                      540
cgcctggtaa aataccctct gcttctccga gaaatcttga ggcacacacc aaatgataat
ccagatcagc agcacttgga agaagctata aatatcattc agggaattgt ggcagaaatc
                                                                      600
                                                                      660
aacaccaaga ctggtgaatc tgaatgccgc tattataaag agcggcttct ttacttggaa
gaaggecaga aagaeteeet gategaeage tetegagtet tgtgttgtea tggtgaactg
                                                                      720
                                                                      780
aaqaacaatc qqqqcqtgaa actgcatgtt ttcctgttcc aagaagtgct tgtgatcact
                                                                      803
cgagccgtca cccacaatgt att
  > <210> 2254
     <211> 704
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (11)...(565)
     <223> similar to gi1504016 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
    <400> 2254
                                                                       60
gagaactete ttcaqaggte gaagacgacg agaagatgae aggateteaa gaceteatee
                                                                      120
ttcaacagct gaatcaaagg ctccaacacc aaagtttgac ttattagcct caaattttcc
acctttacct ggaagttcat caagaatgcc aggtgaactc gttttggaga ataggatgtc
                                                                      180
tgatgttgtt aaaggtgtct acaaagaaaa ggataatgaa gagttgacaa ttagttgccc
                                                                      240
agtgcctgca gatgagcaga cagaatgcac ttctgcccag caactcaata tgagtaccag
                                                                      300
ttctccatgt gctgctgagc ttactgcatt aagcacaact cagcaagaaa aggatctaat
                                                                      360
                                                                      420
agaagattcc tctgttcaga aggatggtct caatcagaca actataccag tttctcctcc
```

<213> Homo sapiens

480 540

600

660

aagtactaca aagccatcga gggcaagtac tgcttcacca tgtaataata acataaatgc

agctacagct gtggctctac aggaaccccg aaagttaagc tatgctgaag cgtacctgaa

acccactaga gagccatatt caggaagttg ggctaccgct cttagttact tgtatttaaa

gtggttttac tgtacatgat agtagtctag ggagatctta aaagtacata ttttatatgt

```
<210> 2255
<211> 566
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (116)...(559)
<223> similar to gi4836757 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## <400> 2255 atcaccgtgt ggcccgtgtg gctcgtgtct gcaaggtgga ttgggctgac gttggggcac 60 gggtatagag gatggacttc tgaccctggc cccttatccc gtgcctctgc ctccccaggg 120 agacctggga gggaagaaga teetgeagaa gaagtggaet teetteetga aagecegtet 180 catctgccac attccactgt atgagacact gcgtggggtc tgcagcctgg atgctgaaac 240 ctcaagccgt acacacttct atgcagcctt cacgctgagc acacagtgga agaccctgga 300 ggcctcagcc atctgccgct atgacctggc agagatccag gctgtctttg caggacccta 360 tatggaatac caggatggtt cccggcgctg gggtcgctat gagggtgggg tgcctgagcc 420 ccggcctggc tcgtgtatca cagattcatt gcgcagccaa ggctacaatt catcccaaga 480 cttgccatcc ctggtcctgg actttgtaaa gttgcaccca ctgatggctc ggcccgttgt 540 566 gcccacacgt ggacgactca tgtatt

```
<210> 2256
<211> 420
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(421)
<223> similar to gi5815459 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2256
atttcaggag ggaccagaag cgcaggcccg ctcaggagga attacaactt catcgccgcg 60
gtggtggaga aggtggcgc atcggtggtt cacgtgcagc tgtggggcag gaaccagcag 120
tggattgagg tggtgctcca gaatggggc cgttatgaag ctgttgtcaa ggatattgac 180
cttaaattgg atcttgcggt gattaagatt gaatcaaatg ctgaacttcc tgtactgatg 240
ctgggaagat catctgacct tcgggctgga gagtttgtgg tggctttggg cagcccattt 300
tctctgcaga acacagctac tgcaggaatt gtcagcacca aacagcgagg gggcaaagaa 360
```

```
<210> 2257
     <211> 392
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(393)
     \langle 223 \rangle n = a,t,c or g
     <220>
     <221> misc feature
     <222> (29) ... (262)
     <223> similar to gi688412 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2257
                                                                        60
cgaccetggg atettetetg tgtgggcagt accaccetgg geactgateg ceattgetgt
ggttgctggg ctcctgcttc tcacctgctg cttctgcatc tgcaagaaat gctgctgcnn
                                                                       120
nnnnnnnn nnnnnnnnn nnnnnggcaa aggcatgaag aatgccatga acatgaagga
                                                                       180
catgaaaggg ggtcaggtag ggcacattgg ttgtgagggg gactggaagg ggctcagccc
                                                                       240
aggettteet gatgetgaaa ggggaageaa aggeteetgg getteeacag ceaaacetge
                                                                       300
                                                                       360
tecectectt aaaacttgge teteteagtt acatetetag tataacaceg tetacetgga
                                                                       392
ggcccctggg agggggggc cttattcctg tg
     <210> 2258
     <211> 399
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (15)...(402)
     <223> similar to gi5640017 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2258
cccacgcgtc cgcttttgaa tgtactgaat gtgggaaatc attcagctgg agctcccatc ...
ttattgccca tatgagaatg catactggag agaaaccctt taaatgtgat gaatgtgaaa
                                                                       120
aagettttag ggactaetea geeettagta aacatgaaag aacteattet ggagcaaaac
                                                                       180
catataaatg tactgaatgt ggaaaatcct tcagctggag ctcccatctt attgcccatc
                                                                       240
```

```
agagaactca cacgggagag aaaccatata actgtcagga atgtggcaaa gcattcagag 300 aacgctcagc cctcactaaa catgagataa ttcattctgg aattaagccc tatgaatgta 360 ataaatgtgg aaaatcctgt agccagatgg ctcaccttg 399
```

```
<210> 2259
<211> 1057
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(624)
<223> similar to gi4678722 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2259
cccacgcgtc cgagaactca aagaaattct ggataggaaa gggcatttct cagagaatga
                                                                       60
gacaaggtgg atcattcaaa gtctcgcatc agctatagca tatcttcaca ataatgatat
                                                                      120
tgtacataga gatctgaaac tggaaaatat aatggttaaa agcagtctta ttgatgataa
                                                                      180
caatgaaata aacttaaaca taaaggtgac tgattttggc ttagcggtga agaagcaaag
                                                                      240
taggagtgaa gccatgctgc aggccacatg tgggactcct atctatatgg cccctgaagt
                                                                      300
tatcagtgcc cacgactata gccagcagtg tgacatttgg agcataggcg tcgtaatgta
                                                                      360
catgitatta cgiggagaac cacccittit ggcaagcica gaagagaagc tittigagit
                                                                      420
aataagaaaa ggagaactac attttgaaaa tgcagtctgg aattccataa gtgactgtgc
                                                                      480
taaaagtgtt ttgaaacaac ttatgaaagt agatcctgct cacagaatca cagctaagga
                                                                      540
actactagat aaccagtggt taacaggcaa taaactttct tcggtgagac caaccaatgt
                                                                      600
attagagatg atgaaggaat ggaaaaataa cccagaaagt gttgaggaaa acacaacaga
                                                                      660
agagaagaat aagccgtcca ctgaagaaaa gttgaaaagt taccaaccct ggggaaatgt
                                                                      720
                                                                      780
ccctgagacc aattacactt cagatgaaga ggaggaaaaa caggtaggaa gaatcattgc
tgcatttctc ccaagtgtaa aataccctca ccacacctgg aacatttttt tgcaaatctg
                                                                      840
                                                                      900
tctttttgtt gttagtttgt aacaaaggcc gagcgttata tagcaagtaa agttctttct
gccttataag gctagcatga tttagcgagg tggcctacat gtttatttta aggttggtga
                                                                      960
ttatgtaggg caggtgtctg caaacttttt ctgtaaggga acaaacagta aatattttag
                                                                     1020
                                                                     1057
gctttgtggg ccctagtagt ctttgtcaca actactc
```

```
<210> 2260
<211> 1815
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (272)...(1475)
<223> similar to gi4589512 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2260
atatcggagg aatcccagaa tatagataca gcttaaattt tgtcttacaa agtcagcact
                                                                       60
tattggttat tcattgttgc gtgttctcaa aggccctgag tcaactgtct ctactcagtt
                                                                      120
                                                                      180
aaatactatt tggacttgtc ccttatggtt tcaagcacaa ttattacaat atttggggct
                                                                      240
tacaaaaatt ttatttataa ctagctttta atttaactag atattgtaaa aattggaaat
                                                                      300
ttggaatatt catttctttg tcctgttgta ggtggcgctc tgttttccga atagtgaccc
tgtgatgttc atggatgcat tttatgggtg tctcctggca gagctgggtc ctgtccccat
                                                                      360
agaagtgcca ttaacaagaa aggatgcagg cagccagcag gttgggtttc tgctgggcag
                                                                      420
                                                                      480
ctgtggagtc ttcttggccc tgaccacaga cgcttgtcag aaaggcctcc ccaaggcaca
gacaggagag gtggcagctt tcaaaggttg gcccccgctc tcctggctag tgattgatgg
                                                                      540
                                                                      600
qaagcatcta gccaagcccc caaaggactg gcaccctctg gcccaggaca cagggactgg
gactgcctac attgagtata aaaccagcaa agaaggcagt acggtggggg tcacagtgtc
                                                                      660
                                                                      720
ccacgcatec etgetggcac agtgceggge tetgacecag gegtgegggt acteagaage
                                                                      780
tgaaacatta acaaacgtgc tggatttcaa aagggatgct ggtctgtggc atggcgtgtt
                                                                      840
aacaagcgtc atgaacagga tgcacgtggt cagcgtcccc tacgcgctga tgaaggcgaa
                                                                      900
cccactctcc tggatccaga aagtgtgctt ctataaagct cgggccgcgc tggtgaagtc
                                                                      960
gcgagacatg cactggtctc tcctagctca gcggggccag agggacgtca gcctcagctc
                                                                     1020
actgcgcatg ctgattgtgg ccgatggtgc caacccgtgg tcgatctcct cctgtgacgc
                                                                     1080
cttcctcaac gtcttccagt ccagaggtct gaggccagag gtcatctgtc cttgtgcaag
                                                                     1140
ttctcctgag gcgctgactg tcgccatccg caggccacct gatctgggag gaccacctcc
                                                                     1200
aagaaaagca gtcctgtcga tgaacggtct aagttatggt gttatcagag tggatactga
                                                                     1260
agaaaagttg tcagtcctta ctgttcagga cgttggtcag gtgatgcctg gagctaatgt
atgtgttgtg aagttagaag gtacccctta tctttgtaaa actgatgaag tgggagaaat
                                                                     1320
                                                                     1380
atgcgtcagt tccagtgcaa ctggcacagc gtactatgga ttgcttggaa tcacgaagaa
                                                                     1440
tqtgtttgag gcagttccgg tcaccacagg aggagcaccc atctttgaca ggccattcac
caggacagge etgetggget teategggee tgtgagtatg teeteetgta ecageaetgg
                                                                     1500
cagtcagaga aggtaggggg tgtggctaag ggacacctcg ttgcagcccc acccttgtcc
                                                                     1560
tggccgttcc tgacctccca tgtggccttg gtcggtggcg ttgacctccc tgcccatcac
                                                                     1620
cctacctgtg tgcagggcca tccacacctc cgagactggt gcacagtcct gcacacatgg
                                                                     1680
cctgagtcgg gggtccccgg ggtggatgag gatgttttgc tttttatatg gagtggcagg
                                                                     1740
tttgtgagta ttdattatat cattetttae cattttggat gtetaaaeta tteaaaaata
                                                                     1800
                                                                     1815
aatgcttcta tttgt
```

```
<210> 2261
<211> 833
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (553)...(684)
<223> similar to gi1765919 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2261
tttcgtttcc gttgcaaagc atttctggga gctgcatgtg ggtgacgcag cagcattgtt 60
cgcaggcaca ggaagccgcg gctgagctga agggctcgag aaggagccca gagcgctgca 120
```

```
180
gggagattcc agaatattca agtaaatccg gattttccca gaggcagaat atctaactcc
                                                                240
ttcaggagaa cttccagtac agaaaacaaa acaaagacgc tggggaaact tcaccaagag
                                                                300
                                                                360
cctcggcagc tccagagcga cgggaaacga aagattttgc tggaggagct tgccaacagc
gatcccaagt tagccctcac tggagttcct atagtacagt ggccaaaaag ggataagctt
                                                                420
aaattcccca ctcggccaaa ggtgcgggtt cctaccatcc ccattacgaa gcctcacact
                                                                480
                                                                540
atgaaaccag ctccacggtt aacacctgtg aggccagctg ctgcctcccc gattgtgtca
                                                                600
ggagccagac ggagacgagt gcgatgtcga aaatgcaaag cctgtgtgca aggagagtgt
                                                                660
ggtgtttgcc actactgcag agacatgaag aagtttgggg ggcctggacg catgaagcag
tectgtgtee tecgacagtg ettggeagtg agtgatetge tgggtaaaga attttgggga
                                                                720
ggggtggcag tgccaaagga actgaaatac atatagtgta gagttaaaga gccttcagag
                                                                780
                                                                833
ttggaaagaa aaggtttata ctctcttttt ggctttattt tgtacctttt ttc
```

```
<210> 2262
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(468)
<223> similar to gi5918159 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2262
ttgagtatta gtgtcagtga tgtgtctctc tctgatgaag gacagtacac ctgttcttta
                                                                       60
tttacaatgo ctgtcaaaac ttccaaggca tatctcaccg ttctgggtgt tcctgaaaag
                                                                      120
cctcagatta gtggattctc atcaccagtt atggagggtg acttgatgca gctgacttgc
                                                                      180
aaaacatctg gtagtaaacc tgcagctgat ataagatggt tcaaaaaatga caaagagatt
                                                                      240
aaagatgtaa aatatttaaa agaagaggat gcaaatcgca agacattcac tgtcagcagc
                                                                      300
                                                                      360
acactggact teegagtgga eeggagtgat gatggagtgg eggteatetg eagagtagat
                                                                      420
cacgaatccc tcaatgccac ccctcaggta gccatgcagg tgctagaaat gcactataca
                                                                      467
ccatcagtta agattatacc atcgactcct tttccacaag aaggacg
```

```
<210> 2263
<211> 539
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(542)
<223> similar to gi1017722 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2263
                                                                       60
aaccttataa atgtaacgaa tggggcaagg tcttcactct taattcacac cttgtaagac
atcgaggaat tcatactgga gagaaacctt acaagtgtaa tgagtgtggg aaagccttta
                                                                      120
                                                                      180
gagetegtte aagettaact atceateagg caacceacag tggagaaaaa cettacaaat
gtaatgaatg tggcaaggtc ttcactcaaa attcacacct tacaaatcac tggagaattc
                                                                      240
acactggaga gaaaccttac aagtgtaatg agtgcggcaa agcctttggt gttcgttcaa
                                                                      300
gectagetat teatetggga atteacaceg gagaaaagee ttacaaatgt catgaatgeg
                                                                      360
gcaaggtett taggegtaat teacacettg caaggeatea getaatteat aetggagaga
                                                                      420
aaccttataa gtgtaatgag tgtggcaaag cctttatagc acattcaaac ctaactaccc
                                                                      480
atcaggotát ccatactgga gaaaagcott acatatgtac tgaatgtggc aagggotte
                                                                      539
```

```
<210> 2264
<211> 627
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(630)
<223> similar to gi2224541 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2264
aagaagatgt ttgcttcata gtcttgaata gtaaagaagg ctcaggtctg ggattcagtg
                                                                       60
tggcaggagg gacagatgtg gagccaaaat caatcacggt ccacagggtg ttttctcagg
                                                                      120
gggcggcttc tcaggaaggg actatgaacc gaggggattt ccttctgtca gtcaacggcg
                                                                      180
cctcactggc tggcttagcc cacgggaatg tcctgaaggt tctgcaccag gcacagctgc
                                                                      240
acaaagatgc cctcgtggtc atcaagaaag ggatggatca gcccaggccc tctgcccggc
                                                                      300
aggageetee cacageeaat gggaagggtt tgetgteeag aaagaeeate eeeetggage
                                                                      360
ctggcattgg gagaagtgtg gctgtacacg atgctctgtg tgttgaagtg ctgaagacct
                                                                      420
cggctgggct gggactgagt ctggatgggg gaaaatcatc ggtgacggga gatgggccct
                                                                      480
                                                                      540
tggtcattaa aagagtgtac aaaggtggtg cggctgaaca agctggaata atagaagctg
gagatgaaat tottgotatt aatgggaaac ctotggttgg gotcatgcac tttgatgoot
                                                                      600
                                                                      627
ggaatattat gaagtctgtc ccagaag
```

```
<210> 2265
<211> 416
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(417)
<223> n = a,t,c or g
```

<220>
<221> misc\_feature
<222> (3)...(338)
<223> similar to gi3046551 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<210> 2266
<211> 926
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (4)...(810)
<223> similar to gi849186 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 2266 atagaaacta gttctgaaga tgaagatgat acggcagatt tgtttccaga agaatctggt 60 tttgagcatg cttggagaga attagataaa gatgctcctc gtgctgatga gattacacgt 120 cgattagcag tttgtaacat ggactgggat agattaaagg caaaagattt gctggctctg 180 ttcaattcat ttaaacccaa aggaggtgta atattttccg tcaagatata tccttcagaa 240 tttggaaagg agaggatgaa ggaagagcaa gttcaaggac cagtagagct attaagtatt 300 cctgaagatg ccccagaaaa agactggacg tctagagaaa aattgagaga ttatcaattc 360 420 aaacgactga agtactatta tgcagtagta gactgtgatt ctccggaaac agctagtaaa atttatgagg attgtgatgg cctggaattt gaaagtagtt gttctttcat agatctaagg 480 tttataccag atgatattac ttttgatgat gagcctaagg atgtagcctc agaagtgaat 540 600 ttaacaqcat ataaaccaaa atatttcact tctgctgcaa tgggaacatc aacggtggaa atcacttggg atgagactga tcatgaaaga attacaatgc tcaacaggaa gtttaaaaag 660 720 gaagagettt tggacatgga ttttcaagee taettagett eetetagtga agatgaagag gagacagaag aggagctaca aggtgatgat ggagtcaatg tagaagaaga tgggaaaaca 780 840 aagaaaagtc agaaggatga tgaagaacaa attgctaaat acaggcagct cttgcaggtt attcaagaaa aaaaaaaaa agggggggcc gttttaaaga atcaaggttt acttacgcgg 900 926 gctggcgagg tcatactttt tttatg

```
<210> 2267
    <211> 763
    <212> DNA
    <213> Homo sapiens
    <220>
     <221> misc feature
     <222> (238)...(764)
     <223> similar to gi2689444 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2267
aacccgtgtg gtggaattcg cactgcacag caggcccttc cctgctgaga gctagccctc
                                                                       60
                                                                      120
tttatttctg ctagcagccc caggcactaa ttactgggtg tgttagacac atttgtgaga
gtgctgcctc ctcacaccaa agtctacatt tacttcttca acatttatct tctgtcaggt
                                                                      180
                                                                      240
tgttggcatg gagccgaggc tgaggaggct cctgagcaga ttgcttctgt aggactgctc
agttcaaaca ttcagcaaca ccagaagcag cactgtggag agaaaccctt aaaaagacaa
                                                                      300
cagggcaggg tcccagtttt gaggagttgc aaagttcacc tatcagagaa gtccttgcaa
                                                                      360
agcagggagg ttgggaaggc cctcctgatc agctcaggtg ttctcaagca ccaggtgact
                                                                      420
cacacaggag agaagtcaca taggagctcc aaaagtaggg aggcctttca tgctggaaaa
                                                                      480
aggcattaca aatgcagtga atgtgggaaa gcctttggtc agaaatattt acttgttcag
                                                                      540
caccagagac tacatgctgg gaaaaagacg tatgaatgca gtgaatgtgg gaagttattt
                                                                      600
                                                                      660
agagatatgt ccaacctttt tatacaccaa atagttcaca ctggagaaag gccttacggg
tgtagtaact gtggaaaatc ctttagccgt aatgctcacc tcattgaaca ccagagagtt
                                                                      720
cacactggag aaaagccttt tacatgcagt gaatgtggaa aag
                                                                      763
     <210> 2268
     <211> 973
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (2)...(507)
     <223> similar to gi435776 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2268
tgtcatagga aagaaaacaa atagaggaag aagatctaat catataccag aggaagagtc
                                                                        60
ttcatcatcc tccagtgatg aagatgagga tgataggaaa cagattgatg agctactagg
                                                                      120
                                                                      180
caaagttgta tgtgtagatt acattagttt ggataaaaag aaagcactgt ggtttcctgc
                                                                      240
attggtggtt tgtcctgatt gtagtgatga gattgctgta aaaaaggaca atattcttgt
tcgatctttc aaagatggaa aatttacttc agttccaaga aaagatgtcc atgaaattac
                                                                       300
                                                                       360
tagtgacact gcaccaaagc ctgatgctgt tttaaagcaa gcctttgaac aggcacttga
```

atttcacaaa agtagaacta ttcctgctaa ctggaagact gaattgaaag aagatagctc

420

```
tagcagtgaa gcagaggaag aagaggagga ggaagatgat gaaaaagaaa aggaggataa
                                                                      480
tagcagtgaa gaagaagtaa gtgaaaacag ttgatacctt ttaaaattat aaataacagt
                                                                      540
                                                                      600
tgggtttccc ttgtgggtta ggatttggca ttaagtcatt actcatataa gtatttttag
                                                                      660
tatgagaaat atttcataat cttgtatttg agatcctcat aatcagatag tttacttggt
tactttagat atatgatctt gtgaaataga aaatattaag cctgattttc ctaataacct
                                                                      720
                                                                      780
caaaaacatg tottagtott cotatgottt ttttaatgag atgattaaga aagtatocac
caggetggge geagtggete aggeetgtaa teecageact ttgggaggee aaggeaggeg
                                                                      840
gatcacgagg tcaggagatc gagaccatcc tggctaacac agcgaaaccc cgtctttact
                                                                      900
aaaaatacaa aaaattagcc gggggtggtg gtgggcacct gtagtcccag ctactcggta
                                                                      960
                                                                      .973
ggctgagacg aaa
```

```
<210> 2269
<211> 817
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (74)...(816)
<223> similar to gi6018810 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2269
agggtcctag cacagtgtct gacggagctt tcctaccaga ccctgaaatt cacgcatcag
                                                                       60
gcgcgggaag cggtatatcg atacagcaaa tgctttggag caagaaacta aactggggtt
                                                                      120
acgacggttt gaagtttgtg acaacattga tottgaaact attttgatgg aatatgagag
                                                                      180
ttattatttt gtaaaatttc agaaataccc caaaattgtc aaaaagtcat cagacacagc
                                                                      240
agagaataat ttaccgcaaa gaagtagagg gaagaccaga aggatgatga acgacagttg
                                                                      300
                                                                      360
tcaaaatctt cccaagatca atcagcagag gccccggtcc aaaaccacag cggggaagac
                                                                      420
aggggacacc aaatcgctca ataaggagca tcctaatcag gaggtagttg ataacactcg
cctggaaagt gccaacttcg gcctacatat atcaagaatc cgtaaagaca gtggagagga
                                                                      480
                                                                      540
aaatgcccac ccacgaagag gccaaatcat tgacttccaa gggctgctca cagatgccat
caagggagca accagtgaac ttgccttgaa caccttcgac cataatccag acccctcaga
                                                                      600
                                                                      660
acgactgctg aaacctctga gtgcatttat tggcatgaac agtgagatgc gagaattggc
agccgtggtg agccgggaca tttatctcca taatccaaac ataaagtgga atgacattat
                                                                      720
                                                                      780
tggacttgat gcagccaagc agttagtcaa agaagctgtt gtgtatccta taaggtatcc
                                                                      817
acagctattt acaggaattc tttctccctg gaaaggg
```

```
<210> 2270
<211> 938
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (16)...(906)
```

## <223> similar to gi915208 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2270
aaaaaggacc agaaaactcc aacatccctg gtggcttcgg ttagcggtcc tccaacgagc
                                                                       60
tccagcacag ctgccattgc tgcagctagc tctagctctg caccagccca agaaaccatc
                                                                      120
tgcctcgacg actcactaga tgaagacctt tctttccatt caccttcact ggatcttggt
                                                                      180
tctgaagctt tagcggttat caacaatggg aacaagggcc ctccaggtgg ctcaaggata
                                                                      240
agcatgccaa ccacaaagcc tcgtccagga ctgagagaag aaaaattagc aagtatcatg
                                                                      300
agtaagetge cactagetae teccaaaaaa etagatteta eteagaetae acattettea
                                                                      360
agtettattg etggteacae agggeeagta eeaaagaaae eecaggattt ageteataet
                                                                      420
ggcatctctt caggccttat tgctggttct tccattcaga accctaaagt ttctttagaa
                                                                      480
cetttgccag ccaggetact tcaacaagga ettcagaggt caagccagat tcacacttet
                                                                      540
tectetteac agacecatgt etectettet teccaagece aaattgetge etetteteat
                                                                      600
gctctgggaa catccgaggc ccaagatgct tcttcgttaa cacaagtaac aaaggtgcac
                                                                      660
cagcattcag ctgtccagca gaactatgtg tctccattac aggccaccat cagtaaatcc
                                                                      720
                                                                      780
cagaccaacc ccgtcgtgaa gttaagtaat aatccccaac tctcctgttc ctcctcactt
attaagactt cagataagcc acttatgtac cgccttccct tatctacccc ctcacctgga
                                                                      840
aatggttctc aagggtccca cccctggtt tctaggacag tacctagcac cactacctcc
                                                                      900
                                                                      938
agtaactatt tagccaaggc tatggtgtca cagatctc
```

```
<210> 2271
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(738)
<223> similar to gi4186183 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2271
ggaccaggac tacaagtacg acagtacctc agacgacagc aacttcctca acccccccag
                                                                       60
ggggtgggac catacagccc caggccaccg gacttttgaa accaaagatc agccagaata
                                                                      120
tgattccaca gatggcgagg gtgactggag tctctggtct gtctgcagcg tcacctgcgg
                                                                      180
gaacggcaac cagaaacgga cccggtcttg tggctacgcg tgcactgcaa cagaatcgag
                                                                      240
gacctgtgac cgtccaaact gcccaggaat tgaagacact tttaggacag ctgccaccga
                                                                      300
                                                                      360
agtgagtctg cttgcgggaa gcgaggagtt taatgccacc aaactgtttg aagttgacac
agacagetgt gagegetgga tgagetgeaa aagegagtte ttaaagaagt acatgeacaa
                                                                      420
ggtgatgaat gacctgccca gctgcccctg ctcctacccc actgaggtgg cctacagcac
                                                                      480
ggccgacatc ttcgaccgca tcaagcgcaa ggacttccgc tggaaggacg ccagcgggcc
                                                                      540
caaggagaag ctggagatct acaagcccac tgcccggtac tgcatccgct ccatgctgtc
                                                                      600_
                                                                      660
cctggagage accacgctgg cggcacagea ctgctgctac ggcgacaaca tgcagctcat
                                                                      720
caccaggggc aaggggggg gcacgcccaa cctcatcagc accgagttct ccgcggagct
                                                                      739
ccactacaag gtggacgtc
```

```
<211> 440
     <212> DNA
    <213> Homo sapiens
    <220>
     <221> misc feature
     <222> (74)...(373)
     <223> similar to gi3169113 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 2272
                                                                    60
qaagtcagac aaggctcaga gtggacccta caatgttgag aaggaaatcc ttacttcaag
attettgegt gacactgaga cetgtegaca gaattttagg aattiteeat acceagacet
                                                                   120
ggctggtcct cgaaaggcat tgagtcaact ccgagagctc tgccttaagt ggctgagacc
                                                                   180
                                                                   240
tgagattcac tcaaaggaac aaattttgga gctgctggtg ctggagcaat tcctgaccat
cctgcctggt gaggttagga cttgggtaaa gtcccagtat ccagagagca gcgaggaagc
                                                                   300
                                                                   360
agtgactctg gtggaggatt tgactcagat tctagaagag gaagctcctc aaaactctac
cctttcccaa gataccccaa aggaagaccc caaaggaaac aagctttcca gacaggatgg
                                                                   420
                                                                   440
ctaaatgaat ttgtgaccac
     <210> 2273
     <211> 611
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (2)...(613)
     <223> similar to gi2384711 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2273
                                                                    60
ggaatcggaa gaaaatggag agagtgcaat ggacagcaca gtggccaaag aaggcactaa
                                                                    120
tgtaccatta gttgctgctg gtccttgtga tgatgaaggc attgtgacta gcacaggcgc
                                                                    180
240
tgggcatgct tcaacttgta cagggttagg agaagaaagt gaaggggtct tgatttgtga
                                                                    300
aagtgcagaa ggggacagtc agattggtac tgtggtagag catgtggaag ctgaggctgg
                                                                    360
agetgecate atgaatgeaa atgaaaataa tgttgacage atgagtggea cagagaaagg
                                                                    420
aagtaaagac acagatatct gctccagtgc aaaagggatt gtagaaagca gtgtgaccag
                                                                    480
tgcagtctca ggaaaggatg aagtgacacc agttccagga ggttgtgagg gtcctatgac
                                                                    540
tagtgctgca tctgatcaaa gtgacagtca gctcgaaaaa gttgaagata ccactatttc
                                                                    600
cactggcctg gtcgggggta gttacgatgt tcttgtatct ggtgaagtcc cagaatgtga
```

<210> 2272

```
<210> 2274
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (203)...(575)
<223> similar to gi5824904 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2274 60 teegegatte egtetggata tgtggegget getgetagag etggageatt tgeegggttg ggggctcctg cacattttta cagtcctcca gtccttctct ttcgtcagta taaaagatta 120 aactctacag aagaatgcaa tcaagtgatg gcttttcctt tagaatttga atatggaggc 180 tacaggaaca gatgaagttg acaagctaaa aaccaaattt atatctgctt ggaacaacat 240 gaaatatagt tgggtgttga aaacaaagac gtattttagt agaaattctc ctgtattatt 300 gcttggaaaa tgttaccatt ttaaatatga agatgaagat aaaacgttac ctgcagagtc 360 gggatgtaca atagaggatc acgtaattgc aggaaatgta gaagaatttc gtaaagattt 420 catttctaga atatggctga cctacaggga agaattccct caaatagaag gctcagcttt \_480 gacaacagac tgtgggtggg gctgcacatt gagaactggc cagatgctct tggctcaagg 540 actcatacta cactttcttg gtagagettg gaeetggeet gatgetttga atattgaaaa 600 ttcagactct gaatcatgga cttcccacac tgtcaaaaat atactggatc tttgagcatc 660 675 actttcaggg gaaga

```
<210> 2275
<211> 872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (83)...(439)
<223> similar to gi4678741 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2275
tttcgtgtgg tgtttctgga gagcagatca gaggcagggg aaaaccacgc agaagcagga 60
gctgaagacc tcagaccggc accagggaca gcttaatgaa gacaaactga aggggaaact 120
gagatcctta gaaaaccagc tatacacctg tacccagaaa tactcccctt ggggaatgaa 180
aaaagtacta ctggagatgg aagaccagaa aaccagctat gagcagaagg ccaaggagtc 240
```

```
actgcagaaa gtgctggagg agaaaatgaa tgcagagcag caactacaga gcacacagcg
                                                                      300
                                                                      360
atccctggcc ctggcagagc agaagtgtga agagtggagg agccagtatg aggctctgaa
                                                                      420
ggaggactgg aggacccttg ggacccagca cagggagctg gagagccaac tccacgtgct
tcagtccaaa ctgcaggtac caggcactgg gggtggggag ggaagacagg gtatggggag
                                                                      480
gagggatggt gatgaaagaa gctgttctgg attagggact ccaaaggcag ctgacagcat
                                                                      540
ctggctttca gttcctcagt caccactact ttgtaccaaa ttcactgttt tggctctgaa
                                                                      600
                                                                      660
atctaatttt gagtttagca aggatgtctg cattgctcat gcaaatgaac taagcgttca
ttggaatgac accatcacca cccaaatgaa aagaactggc tggaatattc atcagcctac
                                                                      720
taatgtcatc tcccaaccca ctctccaaac tccatcccaa aaaagcatcc agttcagaat
                                                                      780
                                                                      840
tgcccactgt tggcaaagaa agaatgtcac taatttattt acagggagca gatagcaggg
                                                                      872
acttacagat gaaccaggcc ctgcgatttt tg
```

```
<210> 2276
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (522)...(423)
<223> similar to gi2852640 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2276
cggacgcgtg gggcgcggag cactgtttct tttcagctct cacagaacct tcagcatccc
                                                                 60
cagctgccgg tcttggcatc ttcgaagtaa ggagaggtga gaatcctgtt gcatggtcaa
                                                                120
gtctggcttt attttcttct gagtatttgg gcttggaggg tagggggtgg gggctgatgc
                                                                180
                                                                240
acattgtatt ttttttccca tgtatcccca aagtctaaac gaatcatatt tttttgtagc
ttcttctgat aaagtaacat atgctcaaag tctgtagaaa cttacttaaa gtttctaaag
                                                                300
tggtaagagt tggaggtggg agatccagac tgtcaagttc tgtcacaact gctttatggg
                                                                360
                                                                420
catctcatga gcacctactt taggttcagg atggttgaat acaaccagaa tagcccatta
                                                                480
tcctgagaaa tacacatctt aagaaaactg gaagaatcat cttcctttgg ctttaaacat
522
```

```
<210> 2277
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(684)
<223> n = a,t,c or g

<220>
<221> misc_feature
```

<222> (13)...(683) <223> similar to gi53135 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2277
cggacgcgtg ggtgcggaca ggccttcatc cagaagaccc atttgattgc acaccgaaga
                                                                      60
attcatactg gagaaaaacc atatgagtgc agtaactgtg gcaaatcctt catttccaag
                                                                      120
tcacaacttc aggtacatca acgtgttcac acaagagtga agccctatat atgtaccgaa
                                                                      180
tatgggaagg tottcagcaa taattccaac ctcattacac ataagaaagt tcaaagtaga
                                                                      240
gagaaatett ccatatgtae tgagtgtggg aaggeettta eetacaggte agagttgatt
                                                                      300
attcatcaga gaattcacac tggagagaaa ccttatgaat gcagtgactg tgggagagcc
                                                                      360
ttcactcaga agtcagcact cacagtgcat cagagaattc atacaggaga aaaatcgtat
                                                                      420
atatgcatga aatgtggact ggccttcatc cggaaggcac acttgattac acatcaaata
                                                                      480
attcatactg gagagaaacc ttataaatgt ggtcactgtg ggaaattgtt tacttccaag
                                                                      540
tcacaactcc atgttcataa acgaattcac acaggagaaa agccctatgt atgcaataaa
                                                                      600
tgtgggaagg cattcaccaa ccggtcaaat ctcattacac atcagaaanc tcatacagga
                                                                      660
                                                                      683
ggagaaaatc ttgtatatgt tcc
```

```
<210> 2278
<211> 570
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (116)...(554)
<223> similar to gi603857 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2278
cccacgcgtc cgtctaggtc tgagacacag tctcagtctg agacatggga ctgtgtctag
                                                                       60
gtcagtcgca cccatgagag ggggagagat cactgcacac tggctcttga ccaacagcac
                                                                      120
aacatctgca gatgtgacag gaagctctgc ttcatatcct gaaggtgtga atgcttcagt
                                                                      180
gttgacccag ttctcagact ctactgtaca gtctggagga agtcacacag cattgggaga
                                                                      240
                                                                      300
taggagttat tcagagtctt catctacatc ttcctcggaa agcttgaatt catcagcacc
acgtggagaa cgttcgacct tggaagacag ccgagagcca ggccaagcac taggtgacag
                                                                      360
ttccgccaat gcagaggaca ggacttctgg ggtgccctct ctcggcaccc acaccttggc
                                                                      420
tactgtcact ggaaacgggg aacgcacact gcggtctgtc accctcacca acaccagcat
                                                                      480
                                                                      540
gagcacgact tetggggaag caggcagece tgcageggec atgcaccaag aaacagaggg
                                                                      570
tgcctctctg cacgtaaacg tgacggacga
```

```
<210> 2279 <211> 425
```

```
<212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (1)...(426)
    <223> n = a,t,c or g
    <220>
    <221> misc feature
    <222> (425)...(8)
    <223> similar to gi562757 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2279
gaagtattea ggttggetgt gteagatget aatgtgetga ateaacagte attgeagate
                                                                       60
acgaagtgtc catcataact ggaatattcc atcagcttgc agtgctgtgg tgtgtgaggg
                                                                      120
tctcgggcaa ctcaccccat tttccacagg ctcaggccca ggagggatgc agtccggctg
                                                                      180
agggcgaggc tgtcaccagg acatggagag ggtgagatcc caaggccacn nnnnnnnnn
                                                                      240
nnnnnagag gcacacactc tctccactat ngaaagaggg gatatgttac tcctgacaaa
                                                                      300
                                                                      360
agtcacggcc agagtgcttc ctgttgggct cttaggtatg tgcccgccct ggggggccaa
ctgaagaaga agactggcat actattaggt gtgagtcccc agaagctagt ggatttgtgt
                                                                      420
                                                                      425
gctgg
     <210> 2280
     <211> 1090
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (112)...(323)
     <223> similar to gi5809678 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2280
ttttttttt ttaagettga aataaaattt ttattttgtt ttgaattaaa tcaaccatga
                                                                       60
ttattcacag tgcagtaagt gtgtatcatc tgtttgatat tttcatatta cagttttgat
                                                                      120
                                                                      180
agtgctcttc agtctgcgaa atcttctttg ggtggaaatg atgaactgtc agctactttc
                                                                      240
ttagaaatga aaggacattt ctatatgtat gctggttctc tgctcttgaa gatgggtcag
catggtaata atgttcaatg gcgagctctt tctgagctgg ctgcgttgtg ctatctcata
                                                                      300
gcatttcagg taagtcttcc acttggagca attgacattt cacggagtct tgatgtgttt
                                                                      360
                                                                      420
taaatgaagg tgtgctctgg tatgtaatga caatatgtga acaaacctgt ggaattaaag
ttaaaatgaa atagtcaatt tgatacagtg gaaaataact aagcatacac aatactggtg
                                                                      480
                                                                      540
aggctggtga aacagggatg ttgaatgcac tcttgtcgaa agcctgcatt gccatgattt
                                                                      600
gtttgtagac aaatttgaag agtttgatct ttttactctg ccatttttgg gaacatgata
                                                                      660
aagatgtaat ctcgtattat gggtaaagct tgattcaaaa agatgtgtta cttggacaaa
```

```
atcctaataa gtagacgtag ggcaatggct ttatagccta tgatagaaga atatgattgc
                                                                      720
                                                                      780
aatttaacat gttaattgaa acacatgtat ataacattta tgactgtatt gtgtatatgt
aacagtatat ctattaatct ttgaaaacat aaaacctttt cttatttttt attttttat
                                                                      840
                                                                      900
ttttttttga gaccaagtct ctctctgtcg ccaggctgga gtgcagtggt gtgatctcgg
ctcactgcag cctccacctc ctgggttcga gtgattctcc tgcctcagcc tcccgagtag
                                                                      960
ctgggactac aggcccatgc taccaagccc agctaatttt ttgtattttt aatagagatg
                                                                     1020
                                                                     1080
gggtttcacc atgttggcca ggatggtcgc aatctcttga cctcttgatc tacctgcctt
                                                                     1090
ggtctcccaa
```

```
<210> 2281
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (170)...(406)
<223> similar to gi1947073 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## 

```
<210> 2282
<211> 394
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(389)
<223> similar to gi3924672 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2282
acaatgtgta acctctgcca gcgcagtttc cgtacattcc aggctttaaa aaaacacttg 60
gaagcaggcc accctgaact gagtgaagct gaacttcaac agctatatgc ctccttgccc 120
```

```
gtgaatggag aactgtgggc agagagcgaa actatgtccc aggatgacca tggcctagag 180 caggaaattgg agagaggata tgaggtggac cacgaaggga aagcaagtcc tgtaggaagt 240 gatagtagct gtattccaga tgacatgggc tctgaaccaa agcggacctt accttttaga 300 gtgtgtaaag agtcattcac ccaaaaaaaa aaaa 394
```

```
<210> 2283
<211> 463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(153)
<223> similar to gi2149156 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2283					
	aaatcggtga	ccacqqtqqc	tggccccatg	gcccaggacg	tggagagcct	60
	ctgcaagccc					120
ccagatgccc	tttagggagg	aggtgaagac	cccctttccc	accccaggct	gcagtgagtg	180
agaagcccac	atgctcagtc	cagtttgttt	ccttcccctg	ctggacacca	gctgctttgg	240
	atctggagcc					300
	catgcagtta					360
					tctttcagcc	420
ttagcctccc	catcaataca	ataaagaggt	taggctggga	gat		463

```
<210> 2284
<211> 415
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (261)...(418)
<223> similar to gi1877215 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2284
aactggaaga gagctttctt tcttattcag ccatctcttt ttatagatga ggaaattgag 60
gaccaagata ttaaattatt tgtcctttgt taacctaatt ttttaaaaga tgatcaatta 120
tctgttaggc ctgtggtatg caggaatcta cctattttat ttggctgtgg tgccttatgg 180
cagttaggtc agtgattgca aatgggcttg tggtgtctac tcttagagta gactggataa 240
```

```
actcttctgt ttgtcaacta cagcctggca gtgagctgga caacttggag gagattttgg
atgatttgca gaatagtcaa ttaccacagc ttttcccaga cacgaggcca ggcgcccctg
                                                                      360
ctggatcagt tgacaagcaa gccatcatca atgacctcat gcaactcaca gctga
                                                                      415
     <210> 2285
     <211> 578
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (116)...(322)
     <223> similar to gi3342752 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2285
                                                                       60
gtcagattgg ttgtggagaa tgggctgtgt ctctgagctg tttaaaggca agtcagaggc
gtagttgtta atgaaatttg ctctaagtta acctgtcttc ttcttttgac cctccagaag
                                                                      120 -
                                                                      180
gaattacgga gatatagaat tgctgttcca gctgctccga gcctttactg gtcgttttct
ctgcaacatg acattcttaa aagagtatat ggaggaagag attcccaaaa attacagcat
                                                                      240
                                                                       300
cgctcagaaa cgtgccctgt tctttcgctt tgtagacttc aacgacccca acttcggaga
tgaattaaaa gctaaagtga gtcccactct tatgctgtag aagggtatgg gtatttggtc
                                                                       360
                                                                       420
tggttttcta gggaactttg ggcccttttc tttttttgct gtgtcactct tgaataaata
                                                                       480
gtagagtgag ccaggtgctg tggcatgtgc ctgtaatccc aggtaatcag gaggccacag
                                                                       540
cgggaggatt gcttgagctc aggagttgga ggctgcaccg agctataatc acaccactgc
                                                                       578
atcccagcat gggtgacaca atgagactct gtctcaag
```

300

```
<210> 2286
<211> 680
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (68)...(682)
<223> similar to gi310183 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

```
<400> 2286
gcaacaccca tcccaggaaa agccacaagt cctgaccccc agccccagga agcagaagct
                                                                       60
gaacagaaag tacaggtccc accatgacca gatgatctgc aagtgcctct ccctgagcat
                                                                      120
                                                                      180
atoctactoc gotaccattg goggootgac caccatcatc ggcacctcca ccagootcat
                                                                      240
cttcctggaa cacttcaaca accagtatcc agcctcagag gtggtgaact ttggcacctg
```

```
gttcctcttc agcttccca tatccctcat catgctggtg gtcagctggt tctggatgca 300 ctggctgttc ctgggctgca attttaaaga gacctgctct ctgagcaaga agaagaagac 360 caaaaagggaa cagttgtcag agaagaggat ccaagaagaa tatgaaaaac tgggagacat 420 tagctacca gaaatggtga ctggattttt cttcatcctg atgaccgtac tgtggtttac 480 ccgggagcct ggctttgtcc ctggctggga ttctttcttt gaaaagaaag gctaccgtac tgatgccaca gtctctgtct tccttggctt cctcctctc ctcattccag cgaagaagcc ctgctttggg aaaaagaatg atggagagaa ccaggagcac tcactgggga ccgagcccat 660 catcacgtgg aaggacttcc
```

<210> 2287
<211> 368
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (1) ... (99)
<223> similar to gi2662163 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<210> 2288
<211> 594
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (2)...(596)
<223> similar to gi4884492 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 2288
aaagatgcat gttctgccac taattggtgg aaaagtagaa gaattgaaaa agcaccaaca 60
ctgtttagca tttagctcct ctggacccca aagccagact tactacattt gctttgatac 120

```
tttcacagaa tacttaaggt ggctgcgaca agtctccaag gttgcatccc agcgcattag
                                                                      180
ctcagtggac ctctcgtgtt gtagcctgga acatctgcct gccaacctct tctacagcca
                                                                      240
agacctcact catctcaatt taaaacaaaa cttcctaagg cagaacccta gccttccagc
                                                                      300
tgccaggggg cttaatgaac tgcaaaggtt caccaagttg aagagtctta acctttccaa
                                                                      360
taatcattta tgggacttcc cactggcagg ctgcagtatt ccaaccctgg cagagctgaa
                                                                      420
                                                                      480
cgagtgctgc aatgccctgc gaacaatccc ggcatgcggt ggagagatgc acaacttaca
                                                                      540
gacattttta gcggacggaa actttctcca aacccttgct gctgaggtgg agaacatgaa
qcagcttatt tatctgggcc tttctttcta tgaaattact gacattcccg aagt
                                                                      594
```

```
<210> 2289
<211> 590
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (122)...(325)
<223> similar to gil545952 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2289
tcaaactgtt aggttttagc agttaaatca ggatgtatag aacagtttac tccatgtcga
                                                                      60
                                                                      120
ttaatgctag tgcttttggt caatgcacag gctctgtgac tgatgatgtg ttttttttgc
                                                                      180
agacaccagt tggcgctccg aggcaacctt tcagttcact gtggagcgct tcagcagact
gagtgagtcg gtccttagcc ctccgtgttt tgtgcgaaat ctgccatgga agattatggt
                                                                      240
                                                                      300
gatgccacgc ttttatccag acagaccaca ccaaaaaagc gtaggattct ttctccagtg
                                                                      360
caatgctgaa tctgattcca cgtaagacag tttaaatgat gcaactacaa acccccacat
                                                                      420
cgttgtattt cattactgga agccaaattt gatcagccta gtgcaatttt atcttaagtt
atttgctgcc tctacatagc cttttgattt taaattagat taaatacgtg tttctcttta
                                                                      480
aaacccactg gtatatgtat aatatccaag ctagaaaagt atatttttat cttgtaagtg
                                                                      540
aaaaaactaa aaatagtttg ttagaatctc cagcatcccc cctcaaacct
                                                                      590
```

```
<210> 2290
<211> 1234
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(1006)
<223> similar to gi1750403 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2290
                                                                       60
tatttqttag gcatcagttc aaaatagctt tcttcagtga gttgaaacaa gatacacaaa
atgcgctgaa gaattatagg accgcctata atcttgtaca cgaattgaga gcccatgaaa
                                                                      120
                                                                      180
ctaatattct ggaaattaag actatggcag gatttataaa ctacaagatc tgtaggctgt
                                                                      240
gttttcaaca caacacccca ttggatgcaa ttgctcagtt ccgaaaacac atcgacttgt
gtaagaaaaa gattggaagt gcggagctgt cttttgagca tgatgcatgg atgtctaaac
                                                                      300
aattccaggc ctttggagat ttatttgatg aagctattaa gttagggtta acagctattc
                                                                      360
aaactcagaa tcctggtttc tattaccagc aggcagcata ctatgcccag gagcggaaac
                                                                      420
agcttgcaaa aaccctctgt aaccacgaag cttctgtaat gtatcccaat cctgatccct
                                                                      480
tagaaacaca aacaggcgtt cttgactttt atggacaaag atcatggcga caaggaatac
                                                                      540
taagttttga tetttetgat eetgaaaaag aaaaggtggg aattettgee atteagetga
                                                                      600
aggagagaaa tgttgttcac tctgagataa tcataactct tctgagcaat gctgttgcac
                                                                      660
aqttcaagaa gtataagtgc ccgcgaatga aaagtcacct aatggttcag atgggagagg
                                                                      720
aatattatta cgcaaaggat tataccaaag ctttgaagtt gctggattat gtgatgtgtg
                                                                      780
attatcqqaq tgaaggatgg tggactctgc tcacttctgt attaactaca gctctgaagt
                                                                      840
getectacet catggeccaa ttaaaggatt acattactta etecetagaa eteettggta
                                                                      900
gagetteaac tetgaaagat gaccagaagt eteggataga aaagaacete ataaatgttt
                                                                      960
taatgaatga aagteetgat eeagaaceeg aetgtgatat ettagetgtg aaaactgete
                                                                     1020
                                                                     1080
agaagctgtg ggcagaccga atttctctgg ctggcagcaa tattttcaca ataggagtac
                                                                     1140
aggactttgt gccatttgtg cagtgcaaag ccaagtttca tgccccaagt tttcatgttg
atgttcctgt tcagtttgat atttatctga aggctgattg tccacatccc attaggtttt
                                                                     1200
ccaagetetg tgtcagettt aataatcagg aata
                                                                     1234
```

```
<210> 2291
<211> 491
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (94)...(486)
<223> similar to gi207621 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2291
cttgaaagag aaggggacaa aggaacacca gtattaagag gattttccag tgtttctggc-
                                                                       60
                                                                      120
agttqqtcca qaagqatqcc tccattcctg cttctcacct gcctcttcat cacaggcacc
                                                                      180
tecqtqteac ccqtqqccct agatecttgt tetgettaca teageetgaa tgageeetgg
aggaacactg accaccagtt ggatgagtct caaggtcctc ctctatgtga caaccatgtg
                                                                      240
                                                                      300
aatggggagt ggtaccactt cacgggcatg gcgggagatg ccatgcctac cttctgcata
ccagaaaacc actgtggaac ccacgcacct gtctggctca atggcagcca ccccctagaa
                                                                      360
                                                                      420
ggcgacggca ttgtgcaacg ccaggcttgt gccagcttca atgggaactg ctgtctctgg
                                                                      480
aacaccacgg tggaagtcaa ggcttgccct ggaggctact atgtgtatcg tctgaccaag
                                                                      491
cccagcgttt g
```

```
<211> 983
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(206)
<223> similar to gi3695143 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

```
<400> 2292
tgcggccgca ccatgagcga catccgccac tcgctgctgc gccgcgatgc gctgagcgcc
                                                                      60
                                                                      120
gccaaggagg tgttgtacca cctggacatc tacttcagca gccagctgca gagcgcgccg
ctgcccatcg tggacaaggg ccccgtggag ctgctggagg agttcgtgtt ccaggtgccc
                                                                      180
aaggagegea gegegeagee caagagaetg aatteeette aggagettea aettettgaa
                                                                      240
atcatgtgca attatttcca ggagcaaacc aaggactctg ttcggcagat tatttttca
                                                                      300
tcccttttca gccctcaagg gaacaaagcc gatgacagcc ggatgagctt gttgggaaaa
                                                                     360
ctggtctcca tggcggtggc tgtgtgtcga atcccggtgt tggagtgtgc tgcctcctgg
                                                                      420
                                                                      480
cttcagcgga cgcccgtggt ttactgtgtg aggttagcca aggcccttgt agatgactac
tgctgtttgg tgccgggatc cattcagacg ctgaagcaga tattcagtgc cagcccgaga
                                                                      540
ttctgctgcc agttcatcac ctccgttacc gcgctctatg acctgtcatc agatgacctc
                                                                      600
                                                                      660
attccaccta tggacttgct tgaaatgatt gtcacctgga tttttgagga cccaaggttg
attotoatoa ottittaaa taotoogatt goggooaato tgooaatagg attottagag
                                                                      720
                                                                      780
ctcaccccgc tcgttggatt gatccgctgg tgcgtgaagg cacccctggc ttataaaagg
                                                                      840
aaaaagaagc ccccttatc caatggccat gtcagcaaca aggtcacaaa ggacccgggc
gtggggatgg acagagacte ecacetettg tacteaaaac tecaceteag egteetgeaa
                                                                      900
gtgctcatga cgctgcagct gcacctgacc gagaagaatc tgtatgggcc gcctggggct
                                                                      960
                                                                      983
gatectette gaccacatgg tee
```

```
<210> 2293
<211> 404
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(405)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (404)...(247)
<223> similar to gi4240243 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2293 aatacaccc totgaaagtt aattaagaat gaannnnnn nnnnnnnnn nnnnnnnnn

```
<210> 2294
<211> 526
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(527)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (92)...(285)
<223> similar to gi500832 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2294
cggctcgtcc nnatttgaac cccttctttg atcggcctgc agtaccgggc cggaattacc
                                                                       60
eggtegagee aegegttege teaegegtee ggeeaaceag aagggttgeg aeggggaeeg
                                                                      120
cctgtactac gacggctgtg ccatgatcgc catgaacgga agcgtctttg ctcaaggatc
                                                                      180
ccagttttct ctggatgacg tggaagtcct gacggccacg ctggatctgg aggacgtccg
                                                                      240
gagetacagg geggagattt catetegaaa cetggeggtg agtgeteeag tagacacetg
                                                                      300
tgtgggatgc tcatcaaaga cgtggaaagt ggccccattc gtgcgggcct ggtggaggcc
                                                                      360
gtgagggtgc agtgcctgaa aagtctgaca gggaagttcc ggacttcccg agcgtggaaa
                                                                      420
                                                                      480
ggggctggtg ccgcagacag aacctgcttc catctgttcc ccgtcatcct ctgcttgggc
                                                                      526
caggeetga getggggtga getggggaca ggeaggeagg tgtatt
```

```
<210> 2295
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(425)
<223> similar to gi1663648 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2295
                                                                       60
tttcgtggct gataatgtga tttttgagag actttcaaaa gactcaaaat atatggagga
aacattatgc catctggaat actttgctac ggaaggcttg cggactctct gtgtggctta
                                                                      120
tgctgatctc tctgagaatg agtatgagga gtggctgaaa gtctatcagg aagccagcac
                                                                      180
                                                                      240
catattgaag gacagagete aacggttgga agagtgttac gagatcattg agaagaattt
getgetaett ggagecaeag ceatagaaga tegeetteaa geaggagtte cagaaaceat
                                                                      300
                                                                      360
cgcaacactg ttgaaggcag aaattaaaat atgggtgttg acaggagaca aacaagaaac
tgcgattaat atagggtatt cctgccgatt ggtatcgcag aatatggccc ttatcctatt
                                                                      420
                                                                      426
gaagga
```

```
<210> 2296
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)...(357)
<223> similar to gi180251 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400>2296ggggcgggccccccaggtaggcatggctgctgcccccagcccatttetttgaatetgt60cactcetattcactcetacttgccactcettetatteattactcactgcccctgcccta120gtccccatggtacccctgagccatgggcatttcctgagccccactcagcaggctctgctt180ccccaggtcctggtgaacgagggcggtggctttgaccgggcctctggctccttcgtagc240ccctgtccggggttctacagcttccggttccatgtggtgaaggtgtacaaccgccaaac300tgtccaggtgacctcagcactggccccatccccggctcaggagggtggggagggggaag360aaggggagcccagctgacctccgggtggactctccattgacctgtgtcctggacgaaa418
```

```
<210> 2297
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (93)...(456)
<223> similar to gi5813801 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2297
tttcgtccga aaggtctggt cgcagagaca ggaacgtgta atcctcagcg tgctccagcc
                                                                      60
cacagetteg etetactget eggeagggea getggeetet gggeaeegge ggeeeetetg
                                                                     120
cctcgcggaa aagcctgatg aagtcctccg atattgatca ggatttattc acagacagtt
                                                                     180
actgcaaggt gtgcagtgca cagctgatct ccgaatcgca gcgtgtggcc cactacgaga
                                                                     240
                                                                     300
gtcgaaaaca tgcaagcaaa gtccgactgt attacatgct tcaccccagg gatggagggt
gtcctgccaa gaggctccgg tcagaaaatg gaagtgatgc cgacatggtg gataagaaca
                                                                     360
agtgctgcac actctgcaac atgtcattca cttcagcggt ggtggccgat tcccattatc
                                                                      420
                                                                      459
aaggcaaaat ccacgccaag aggttaaaac tcttgctag
```

```
<210> 2298
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(408)
<223> similar to gi2914017 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<210> 2299
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(413)
<223> similar to gi746490 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2299
gagtacccgt ccggaattcc cgggacgagc accaaccggc ttcctcaaac tcttggctga 60

```
taagaacage gaactgttta ggaaatacge cetgtttet eccteagace acegagtgee 120 tagaatttat gtgeetetea aggactgtee ecaggaettt gtggeacgge etaaagatta 180 tgeeaacaca etgtteatet geegeattgt ggaetggaag gaggaetgea attttgeeet 240 ggggeagetg getaagagte ttgggeagge tggtgaaatt gageetgaaa eagaaggaat 300 actaacagag tatggegtgg atttetetga tttetettea gaagttetag aatgtettee teaaggeetg ecatggaeaa tteeaceaga ggagtteage aagagaaggg ttgtatt 417
```

```
<210> 2300
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (148)...(433)
<223> similar to gi5689559 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

## <400> 2300 60 tttcgtctta ggaagtgagt gtgcgcgcgc gcttgtgggg agatgaggca gctgctgcgc ccgattgacc gccagcgata cgacgagaac gaggacttgt cggacgtgga ggagatcgtc 120 180 agegteegeg getteageet ggaggagaag ettegeagee agetgtacea gggggaette 240 gtgcacgcca tggagggcaa agatttcaac tatgagtacg tacagagaga agctctcagg 300 gttcccctga tatttcgaga aaaggatgga ctgggaatta agatgcctga ccctgatttc acagtccgag acgtcaaact cctagtgggg agccggcggc ttgtggacgt gatggatgtg 360 aacacccaga agggcacgga gatgagcatg teccagtttg tgegttacta egagaegeee 420 441 gaggcccagc gggacaagct g

```
<210> 2301
<211> 1768
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(975)
<223> similar to gi3327214 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2301
tttcgtcgca ggccacgaga agctgccggt gcacgtagaa gacgccctca cctatctgga 60
ccaggtgaag atccgctttg gcagcgaccc tgccacctac aacggcttcc tggagatcat 120
gaaggagttc aaaagccaga gcatcgatac tcctggagtc atcagacgtg tctcgcagct 180
```

```
240
cttccacgag caccetgace teattgttgg attcaacget tttcttcccc teggatatag
aatagacatt cccaagaatg gcaagttaaa catacagtcg cctctgacaa gccaggagaa
                                                                      300
ttcgcacaac cacggggacg gtgcagagga cttcaagcag caggtgccgt ataaagagga
                                                                      360
caaaccccag gtgcccctgg agtccgattc cgtggaattc aacaacgcca tcagctatgt
                                                                      420.
                                                                      480
qaataagatt aaaacccgct tcctagacca cccagaaatc tacaggtcat tcctggagat
                                                                      540
cctgcacacg taccagaagg agcagctgaa cacgaggggc cggccattcc gaggcatgtc
tgaagaggag gtgttcaccg aggtggccaa cctcttccgg ggccaggagg acctgctctt
                                                                      600
                                                                      660
agaqtttgga cagttcctgc ccgaagccaa gcggtctctg tttacaggaa acgggccgtg
cgagatgcac agegtgcaga agaacgagca cgacaagacc ccggagcaca gcaggaagcg
                                                                      720
ctcccggccc tcgctcctcc gccccgtgtc tgcacccgcc aagaaaaaaa tgaaacttcg
                                                                      780
tggtaccaaa gacctgtcca tcgctgcagt ggggaagtac gggactctgc aggaattttc
                                                                      840
                                                                      900
tttctttgac aaggtccgcc gggtgctgaa gagccaggag gtgtatgaaa acttcctccg
ctgcatcgca ctcttcaacc aggagctggt gtctggctct gagctcctgc agctcgtcag
                                                                      960
cocatttctg gggtgagcag ctgacttccc agggctccct aggggggttc tgttcctgtc
                                                                     1020
aactccatct acttggtttt tagttactgt ttttgagcaa tgattgtgct tttctaaaat
                                                                     1080
cctgtttatt aattgacgtg attgatataa ttattgattc ccatgcattt gtaaggagca
                                                                     1140
atacaccacc tgggtaccct ccagctggtt cctttaccag taacatctgt agtcagtatc
                                                                     1200
ctcaccaqaa tacagtgggt cctcgagtaa tgccttttca tttaacactg ttttaacacc
                                                                     1260
gatgagaaaa gaagacattc atttctggtc tgagtggagt ttgcacgttc tccccatgtc
                                                                     1320
tgcgtggatt ttctcccaca tcccaaagat gtgcatgtta ggttaagtct aggttaagcg
                                                                     1380
gtgagtctcc gtggtcccag cctgagtgag tgtggcgggg tgagcgccct gcagtggggt
                                                                     1440
qqcqtcctqt ccaqqqtqgq tgccccactg gtgctctgag ctgctgggat agggtccggc
                                                                     1500
cacccaagat cctgaactgg aataattggg taaattgtta ttttacttgt ttttactcat
                                                                     1560
ctttcttatc tgtatgtgtg gcttgcattt atttcagtgt ttaatattag aagtgttttg
                                                                     1620
                                                                     1680
gtctctcttt agaaatttgg tgattgtttt gtgaccaaaa atacgccgta ggaacgtcat
tcttgtttat gtgtcaatta gcttgtggca aaattggttt tgttacacat cttttcaact
                                                                     1740
                                                                     1768
taaagacaca gctttctaac accaaaat
```

```
<210> 2302
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(461)
<223> similar to gi1842427 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2302
                                                                       60
gtctacgcca agcttggcac gaggcagaag gggcaccacg gtgcagctgg agtgtcgggt
gaagcacgac ccctccctga aactcaccgt ctcctggctg aaggatgacg agccgctcta
                                                                      120
tattggaaac aggatgaaga aggaagacga ctccctgacc atctttgggg tggcagagcg
                                                                      180
                                                                      240
ggaccagggc agttacacgt gtgtcgccag caccgagcta gaccaagacc tggccaaggc
                                                                      300
ctacctcacc gtgctagctg atcaggccac tccaactaac cgtttggctg ccctgcccaa
                                                                      360
aggacggcca gaccggcccc gggacctgga gctgaccgac ctggccgaga ggagcgtgcg
                                                                      420
getgacetgg atccccgggg atgctaacaa cagccccatc acagactacg tegtccagtt
                                                                      459
tgaagaagac cagttccaac ctggggtctg gcatgacca
```

```
<210> 2303
<211> 706
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(696)
<223> similar to gi1389756 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters

,
```

<400> 2303 60 acctcatatt attggagcag aagatgatga ttttggtact gaacatgaac agatcaatgg acagtgcage tgtttccaga gcattgaatt gctaaaatct cgcccggctc atttggctgt 120 tttcttacgc catgtagttt cacaatttga ccctgcgact ttgctttgtt atctctattc 180 agacctgtat aaacatacca attccaaaga aactcgtcgc atcttccttg agtttcatca 240 qttctttcta qatcqatcaq cacacctgaa agtttctgtt cctgatgaaa tgtctgcaga 300 360 totagaaaag agaagacotg agotoattoo tgaggatotg catogocact atatocaaac tatgcaagaa agagtccatc cagaagttca aaggcactta gaagattttc ggcagaaacg 420 tagtatggga ctgaccttgg ctgaaagcga gctgactaaa cttgatgcag agcgagacaa 480 ggaccgattg actttggaga aggagcggac atgtgcagaa cagattgttg ccaaaattga 540 600 agaagtattg atgactgctc aggctgtaga ggaagataag agctccacca tgcagtatgt 660 tatteteatg tatatgaage atttgggagt aaaagtgaaa gageetegaa atttggagea caaacggggt cggattggat ttcttcccaa aatcaagcaa agtatg

```
<210> 2304
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(462)
<223> similar to gi3047242 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2304
tccatggga gtgattgaaa acagaaatga tcttgttggg agagatgtgg ttgctcctta 60
tcaaacctta ttgaaccccc tgagcaaatt gaatgttttg aataatctgc attcccattt 120
catattggtg gatgatggca ctgttggaaa gtatggggcg gaagtcagac tgagaagaga 180
acttgaaaaa actattaatc agcaaagaat tcatgctagg attggccagg gtgtccctgt 240
ggtggcactt atattgagg gtgggccaaa tgttatcctc acagttcttg aataccttca 300
ggaaagcccc cctgttccag tagttgtgtg tgaaggaaca ggcagagctg cagatctgct 360
agcgtatatt cataaacaaa cagaagaagg agggaatctt cctgatgcag cagagcccga 420
```

```
<210> 2305
<211> 708
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(711)
<223> similar to gi3874946 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2305
ttcctgatgt aaatgatgcc attgtgtaac tattcaatga ttatgatgtt aaggcaacct
                                                                      60
cccatcattt agtggtgtgt catctagatc tacgcatatg tgatgcattt catgctaaag
                                                                     120
aaaaagagtc aagctcacgt acaagtggag gggcaatgca actctctttt gcacagctaa
                                                                     1'80
ctatagatta ttatccgtat cataaagcag gagatagttg taatcattgg atgtatttta
                                                                     240
gtgatgcaac caaaacaaaa aatggatggg ccaatgagtt attgcatgaa tttgagtgca
                                                                      300
acgttgaaat gcttaaacag gctgtgaagg atcataatgt aggttcacct cctaaatccc
                                                                      360
caacacatgc ctctccccag cacacacaaa cagagaagga ctaccctctg aaagggacat
                                                                      420
gcagaacacc ttcagtatta tctcaacaat caaaagctaa gctaatgtct agttctgttg
                                                                      480
tggttagact tgcagatttc aatatatacc aggtctctac agcggaacaa tgtcgttctt
                                                                      540
ccccaaaag catgatttgc tgcaataaaa aatccctata tcttccacaa gaaatgtcag
                                                                      600
ctgtctatat agaattcaca gaatattact atccagatgg aaaggatttt ccaattccat
                                                                      660
ctcccaacct ctatagccag ctgaatgcac tacagtttac tgtggatg
                                                                      708
```

```
<210> 2306
<211> 439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (51)...(436)
<223> similar to gi4512334 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2306
caagggaggg gggttgatcc cctggcacag gtcgaggccc tggacccaca tcctttgtct 60
gcctcccac cccacagtgc ccgttcatcg acgatttcat cctggccctc cataggaaga tcaaggatga gccgtggtg tttcctgagg ggccagaaat cagcgaggag ctcaaggacc 180
tgatcctgaa gatgttagac aagaatcccg agacgagaat tggggtgcca gacatcaagt 240
```

```
tgcacccttg ggtgaccaag aacggggagg agccccttcc ttcggaggag gagcactgca 300 gcgtggtgga ggtgacagag gaggaggtta agaactcagt caggctcatc cccagctgga ccacggtgat cctggtgaag tccatgctga ggaagcgttc ctttgggaac ccgtttgagc 420 cccaagcacg aatggcgaa 439
```

```
<210> 2307
<211> 403
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(386)
<223> similar to gi3645961 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

.<400>			,			
ttqcaaqqat	gctcccctcc	tgagtgcatc	cgcatctacc	tgaccgtggc	caggaaatgg	60
cctttctttq	gtgctaaact	ttttgctgct	cagcctgccc	agctgtcttc	caaggagaac	120
actctaatat	ggattgctgt	qaatgaggat	ggcgtcagca	tcctggacca	caacactatg	180
caagtgcaca	tcacttaccc	ctactcttca	gtgacaacgt	ttggtggctg	cagggatgac	240
ttcatgcttg	tgattagatc	tatcccagac	aagagctctg	gaaaaagcca	cattgagaag	300
ttgatcttcc	ggatggctgc	tcccaagatt	qcaqaaqcca	ccttcatcat	ggccagctat	360
	gcactacaac					403

```
    <400> 2308
    accatggett gggeteagea tgggteecea gecateggeg ggtgaacea cecacaetge 60 geattaagaa getgaactgg cagaagetge catecaaegt ggeacgtgag cacaaeteta 120 tgtgggegte cetgageage cecgaegeeg aggetgtgga gecegaette tecageateg agegaetatt eteetteeet geageeaage ecaaggagee caceatggtg geeceeeggg 240 ceaggaagga geceaaggag ateaetttee tegatgeeaa gaagageetg aaceteaaea 300 tetteetgaa geaatttaag tgeteeaaeg aggaggtege tgetatgate egggetggag 360
```

```
ataccaccaa gtttgatgtg gaggttctca aacaactcct taagctcctt cccgagaagc 420 acgagattga aaacctgcgg gcattcacag aggagcgagc caagctggcc agcgccgacc 480 acttctacct cctcctgctg gccattccct gctaccagct gcgaatcgag tgcatgctgc 540 tgtgtgaggg c
```

```
<210> 2309
<211> 730
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (39)...(562)
<223> similar to gi3243075 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2309
                                                                      60
cccacgcgtc cggaataaag atagataaga cttccgatgg accaaaactt ttcttaacag
aagaagatca aaagaaactt catgattttg aagagcagtg tgttgaaatg tatttcaatg
                                                                      120
aaaaagatga caaatttcat tctgggagtg aagagagaat tcgtgtcact tttgaaagag
                                                                      180
tggaacagat gtgcattcag attaaagaag ttggagatcg tgtcaactac ataaaaagat
                                                                      240
                                                                      300
cattacaatc attagattct caaattggcc atttgcaaga tctttcagcc ctgacggtag
atacattaaa aacactcact gcccagaaag cgtcggaagc tagcaaagtt cataatgaaa
                                                                      360
tcacacgaga actgagcatt tccaaacact tggctcaaaa ccttattgat gatggtcctg
                                                                      420
taagacette tgtatggaaa aageatggtg ttgtaaatae aettagetee tetetteete
                                                                      480
aaggggatet tgaaagtaat aateettte attgtaatat tttaatgaaa gatgacaaag
                                                                      540
atccccagtg taatatattt ggtcaagact tacctgcagt accccagaga aaagaattta
                                                                      600
attttccaga ggctggttcc tcttctggtg ccttattccc aagtgctgtt tcccctccag
                                                                      660
aactgcgaca gagactacat ggggtagaac tettaaaaat atttaataaa aaacaaaaaa
                                                                      720
                                                                      730
aaagggcggc
```

```
<210> 2310
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(321)
<223> similar to gi3924708 in the genepept database release 114,
    Run with FASTXY' 3.3t00, default parameters
```

<400> 2310

```
cggacgcgtg ggtcgaatgc taacagccac agtacatagc acctttaatg gcaaatttcg
                                                                       60
                                                                      120
atcccagtgt atccagaaat tcaactgtca gatattttga taatggcaca gcacttgtgg
tccaqtggga ccatgtacat ctccaggata attataacct gggaagcttc acattccagg
                                                                      180
                                                                      240
caaccetget catggatgga cgaatcatet ttggatacaa agaaatteet gtettggtea
                                                                      300
cacaqataaq ttcaaccaat catccagtga aagtcggact gtccgatgca tttgtcgttg
                                                                      360
tccacaggat ccaacaaatt cccagtacgt agaagaaggg cagtcgcaat gagtgagcct
                                                                      411
ctgtggggt aaatttaaag gagattggtc tatggcagct gtacctgaat t
     <210> 2311
     <211> 395
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (286)...(396)
     <223> similar to gi4206390 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2311
                                                                       60
agetgttece eeeggeeage geageaggge ageeggaeee eagaceeaca gtgagtgeee
atqtcttaaa caaaccccq cctcaggctc tgacactgcc accttccaat cctgcccccc
                                                                      120
ttcaccttgg ccacgggcct cgatcattgg ccttagtcaa actgcaggtc ttctctttgt
                                                                      180
gtccctgagt caggcaggga gacctggaga ccctaaggcc caagtggggt gagttggagc
                                                                      240
ctggcgccct ggccctcaag ctgacgcctg tgtgacgggc tctttcccca gcaggatcct
                                                                      300
gcagececeg etecgtgtga ggagacecag eteteettge tgccaettea ggggtgegge
                                                                      360
ctgatggagg ggaagacgat ggaggcgaag accac
                                                                      395
     <210> 2312
     <211> 496
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (148)...(233)
     <223> similar to gi258001 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

agatttttgt ttgtttaaac aaacttattc cttatttctg gtttttaaaa acaattgttt ctttaactta agacacttca tcctgaattt tttaaaggca gcctattaac acatcccttt

aacttactta ttctttgtat tctctaagga agcactacag ttcgtaagga gatcatcagg

60

120

<400> 2312

```
aataagatcagagccattgggaagatggcacgggtcttttcaattcttcggtaaggatgt240ctgtcattacagtgcggattaaaggcatttttagaggtaaattagacgtcgaattcagaac300agttttttagaattggaatgtagtattgaaactgcaggtctttaggttgagtgcaaatt360caatgaacatgtttaagcgactaaaaatgttccagcaaacattgatttgttagtagctta420aatgtagtgaatgtagtggtttagtgtggactttccaacccgattgcctgtgttcaaatt480ctggctctacctcttc496
```

<210> 2313
<211> 466
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (6)...(454)
<223> similar to gi3061320 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 2313 attgctgccg ctggatcgac tgctttgcct tgtacgacca gcaggaggag ctcgtgcggc acatcgagaa ggtccacatc gaccagcgca aaggggagga cttcacttgc ttctgggccg 120 gttgccctcg aagatacaag cccttcaacg cccgctataa actgctgatc cacatgagag 180 tccactctgg ggagaagccc aacaagtgta cgtttgaagg ttgcgagaag gccttttcaa 240 ggcttgaaaa tctcaagatc cacttgcgga gccacacagg cgagaagccg tatttgtgcc 300 agcatccggg ttgtcagaag gccttcagta actccagtga ccgcgccaaa caccagcgga 360 cgcatctgga cactaaacct tatgcttgtc aaattccagg atgtaccaaa cgctacacag 420 acccaagttc cctaagaaag catgtgaagg cacattcttc caaaga 466

<210> 2314
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (3)...(505)
<223> similar to gi2443214 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 2314
gtattgttca gcgggccatg ctgatggcga tggagccgat atgggagagt gattttcata 60
cgctctcata tggcttccgg cctgagcgca gtgtccacca cgcgatccgc acggtgaaat 120
tacagctcac agactgtggt gaaacccggg gacgctgggt gattgaaggc gacctgtcca 180

```
gttacttcga caccgtacat catcgactgc tgatgaaggc tgtacgccgc aggatcagtg 240
acgcacgttt catgactctg ctgtggaaaa ccatcaaggc gggacatatc gatgtcggtc 300
tctttcgggc ggccagtgaa ggtgtgccac agggcggtgt tatatcgccg ctattatcga 360
acatcatgct gaatgagttc gatcaatacc tgcatgagcg ctacctgagc gggaaagcca 420
gaaaagatcg gtggaaccc ggggaaaccc gggcg 505
```

```
<210> 2315
<211> 755
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(470)
<223> similar to gi3522923 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2315
                                                                       60
gtgcctcatg ccatgggcac gcctaccgtc tgcaaagcgc catcaagcag gagctgcaca
gccgggcctt cctggccatc acgcggtctg aggagctctg gccatggatg gcccacgtgc
                                                                      120
tgctgcccta cgtccacggg aaccagtcca gcccagagct ggggccccca cggctgcggc
                                                                      180
aggtgcggct gcaggaagca ctctacccag accetcccgg ccccagggtc cacacgtgct
                                                                      240
cggccgcagg aggcttcagc accagcgatt acgacgttgg ctgggagagt cctcacaatg
                                                                      300
geteggggae gtgggeetat teagegeegg atetgetggg ggeatggtee tggggeteet
                                                                      360
gtgccgtgta tgacagcggg ggctacgtgc aggagctggg cctgagcctg gaggagagcc
                                                                      420
gegacegget gegetteetg cagetgeaca actggetgga caacaggtgg gageteeete
                                                                      480
ccctgccctc tccggggtgg ccgcagtcac cagccaggag cccaccctca ctcctccggc
                                                                      540
ccccgctggc ctaggcggct tccacagccc ctcagccacg cctgcactgc gcggtccccg
                                                                      600
cageteeege cetgecacee getectactg accegeacee taagegeacg ageegegetg
                                                                      660
tgttcctgga gctcacgcga aacagcaaag ccgtggggct gcacgccgcc gtcacggtgc
                                                                      720
                                                                      755
geeteggeee gttaacteea aaceggtaeg tgeat
```

```
<210> 2316
<211> 737
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (212)...(721)
<223> similar to gillo9880 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2316
                                                                       60
ggtcgaccca cgcgtccggt cttatggagc atgggagggg aaggcagtct gatgaggaca
accaggaagt cccagagtca ccacagccca cagacaaagg ctttggggca gtgatacagc
                                                                      120
tectaggggt ggcagatgat ettggtgaga gecaageece tgtegggget gaggtttggg
                                                                      180
tgtgtgggtt gacaggcacc tgtgtcccca ggatgtggag ctggccgagc acctcaacgc
                                                                      240
cagcotggct ttottoctca gagacottot gtocotggtg gacoggggct ttgtottcag
                                                                      300
cetggtecgg geceactaca ageaggtgge caegeggete cagtegtece etaatecage
                                                                      360
agecetgetg accetgegea tggaatteac eegcateetg tgeagecaeg ageactaegt
                                                                      420
                                                                      480
gacceteaac eteccetget geceeetgte acetecagee tegecetece cetetgtgte
ctccaccacc teccagaget ecaecttete cagecaagee eeggaceeca aggtgaccag
                                                                      540
                                                                      600
catgttcgaa ctgagtggac cattccggca gcagcacttc ctagctgggc tcctgctgac
ggagctggca ctggccctcg aacctgaggc tgaaggggca ttcctgttgc acaagaaggc
                                                                      660
catcagtgct gtgcacagcc tgctatgtgg ccatgacact gacccccgct acgccgaggc
                                                                      720
                                                                      737
cactgtgaag gctcgtg
```

```
<210> 2317
<211> 521
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(326)
<223> similar to gi3522922 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2317
catgcccaaa gacactggag cggcttttag gctccccaga aggcttctcc aaaactgacg
                                                                       60
                                                                      120
ggcacctggc cgtggttcca gggctgacag cattaatctc ttaccataac tacctggaca
                                                                      180
aaaccaaaca gcgcgagatg gtctactgcc tggagcaggg cctcatccac cgctgtgcca
                                                                      240
gecagtgegt egtggeettg tecatetgea gegtggagat geetgacate ateateaagg
cgctgcctgt tctggtggtg aagctcacgc acatctcagc cacagccagc atggccgtcc
                                                                      300
cactgotgga gttcctgtcc agtgagtccc cgccctgcct gcgcatgcac ccgagaggtt
                                                                      360
                                                                      420
cgggctgtgt aacctgtgcg ggcttctctg gtgccctctc tcaggactcc ttggggaacc
tgggtgtete geettetget geeteaggge etgggegtet etgeeegget geeatgagtg
                                                                      480
                                                                      521
ctctccttcc tggctttgag gggcggctcc tctcacccct c
```

```
<210> 2318
<211> 963
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (768)...(927)
```

<223> similar to gi1871540 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2318
                                                                       60
ggagcggctg ccacggaaaa cgcctggccg gacggtggct ggcggccctg cctgggcgcg
gagggcggcg gtggcgggcc ccgcggcctt ctctcagctt cctttctcct cacgacggcc
                                                                      120
                                                                      180
tecacagtee ggageeegge ggageeegga eetggeggg agagetgeet eeaeggeegg
                                                                      240
geacceagae eccaeegteg cagtegeeae caceteagte cateettggt aceggeaatg
                                                                      300
ggcttcgtat cctccagtgc acttgtaact gacttggaca cggaatacta agaactcact
totgtoctca toccagtogo googgoggtg accatotogg otottttggg ottaactgoo
                                                                      360
gctcctctgg actctgtctg actttggggg caccatggac caaagtggga tggagattcc
                                                                      420
tgtgaccctc atcattaaag caccgaatca gaaatacagt gaccagacta ttagctgctt
                                                                      480
                                                                      540
cttgaactgg accgtgggga aactaaaaac gcatctatct aacgtttacc ctagcaaacc
agtaagtgtg taaaagctgg gggcagctgc tctgaccagc agcttttcgt gccgtgtacc
                                                                      600
ctcctttttc ctgcttctcc cctccagtct tgaatcaaat aggtctcttt tggtagaccg
                                                                      660
cgaggtattt tgagttctga ggttgtgtct cctgagtgtt cgaaccatca ttaatatttt
                                                                      720
                                                                      780
cctgatgagg ttcagttaat tagtaagagg aagcagaaat atcaagggac ttaagaattg
gcaggcaaag accgggcgcg gtggctcacg cctgtaatcc cagcactttg ggaggccaag
                                                                      840
gcgggcggat cacgaggtca ggagttcgag accagcctta ccggcatggt gaaaccctgt
                                                                      900
gtotactgaa aatacaaaaa ttaactgggc gtggtggcgc atgcttgtaa tcccagctac
                                                                      960
                                                                      963
tcg
```

```
<210> 2319
<211> 1499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (12)...(752)
<223> similar to gi2246532 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2319
                                                                       60
cgaccaaact aaagaaggag caggagaatc tgttgaagca gcggtgggag ctagagaggc
                                                                      120
tggaggaaga gcgaaagcag atggaagcct tccggcagaa ggcagagctg gggcgtttct
tgagacatca gtataacget caactcagca gacgcacaca gcagatecaa gaggagetgg
                                                                      180
aggeagacag geggateetg caggeeetee tegagaagga ggaegagage cagegeetee
                                                                      240
                                                                      300 -
acctggccag gcgggagcag gtcatggccg atgtggcctg gatgaagcag gccattgagg
agcagctgca gctggagcgg gcgcgggagg cagagctgca gatgctgctg agggaggagg
                                                                      360
                                                                      420
ccaaggagat gtgggaaaag agagaggcag agtgggcccg agagcgcagc gcacgggaca
                                                                      480
gactgatgag cgaggttctg acagggagac aacagcaaat acaagagaag attgagcaga
                                                                      540
accgacgggc acaagaggaa tccctgaaac acagggagca acttattcga aatcttgagg
                                                                      600
aggtgagaga gttggctcgt cgcgagaaag aggagagtga aaagctgaaa tcggccagga
                                                                      660
agcaggaget ggaageceag gttgeagage geeggetgea ggeatgggaa geagaceage
                                                                      720
aggaggagga ggaagaggag gaggcccggc gggtcgagca gctctcagat gccctgctgc
                                                                      780
agcaggaggc ggagactatg gctgagcagg gctaccggcc taagccttac ggacatccaa
```

```
aaattgcttg gaactgactt catgggtacc ataagtacag agaacaaggg atgctgaggc
                                                                     900
ttctgatccc agccgccagg cagttttaca gggctctgtt aacagtaagt gcccggggca
ctgtcagatg gctcagcagt gcctgctcag gttcatcatt gaaacatccc agtgtttggc
                                                                     960
cagacattaa ggtgtcgtga gagtcccttt catgcctttc ttacccaagc aagggtcttt
                                                                    1020
gatgggcacg tgtttacagc gctgctgcat tagtcttgta atatattaac agtcacatca
                                                                    1080
actgaaggtc aatactaaga gccacaggtt gtacctgtga tggggcgtgt ggtttcctgt
                                                                    1140
tgtctcacct ttaattgtca acctccagtg ttgactctag aaatatgagg aaagcttttc
                                                                    1200
agtttttaaa attgccattt aaatttagtc tattaaaaac aaacctagag gtcttggtgc
                                                                    1260
agttgatttc agagtttatt aatttagtgg tcccaaaagt attacatctt ttatattctg
                                                                    1320
qaaqaaaaga actgtgaaca aattagaacc ccggaacact ctgacgtcca tggacgcatt
                                                                     1380
ccagaaaagt ggcaagagat gagtctttcc tcctccagga agcattttgg tagaatttcc
                                                                     1440
atagagcatt gtctgtgagt gactgatccc aacatgtatg ttactaagcc ccaaaacga
                                                                     1499
```

```
<210> 2320
<211> 442
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(443)
<223> similar to gi1762 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2320
                                                                       60
gatacgtact gcaggggaga ccagctgcac atcctgctgg aggtgaggga ccacttggga
                                                                      120
cgcaggaagc aatatggcgg ggatttcctg agggccagga tgtcttcccc agcgctgatg
gcaggtgctt caggaaaggt gactgacttc aacaacggca cctacctggt cagcttcact
                                                                      180
                                                                      240
ctgttctggg agggccaggt ctctctgtct ctgctgctca tccaccccag tgaaggggtg
tcagctctct ggagtgcaag gaaccaaggc tatgacaggg tgatcttcac tggccagttt
                                                                      300
gtcaatggca cttcccaagt ccactctgaa tgtggcctga tcctaaacac aaatgctgaa
                                                                      360
ttgtgccagt acctggacaa cagagaccaa gaaagcttct actgggtgag gcctcaacac
                                                                      420
                                                                      442
atgcgctgtg ctgcactcac tc
```

```
<210> 2321
<211> 486
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (408)...(489)
<223> similar to gi1871540 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2321
catctgggag gggacgccgt caccgtcccc tccacatctg tctcgtcctc ggcgtagctc
                                                                       60
aggatcaggc tetgetgeeg getegttage etectgtgga eegageagag teageageea
                                                                      120
aggetteege egggaagett tggaaagaae teacaggeag ecageaceet egeageacat
                                                                      180
gggaagagag ggacccaacc ttggcagggg cggacaccct gagccagtgc agcggtgaga
                                                                      240
acctaaggac catgccctca aagcttctgt acagaaaagc tcctaaaaca ccctacacta
                                                                      300
                                                                      360
agtcatttaa acaagtgtca ctgtggctat gctaaataca gtttacagga ggggaaacag
attttaccag tatgtatgtg aagcaagtaa gaaattatct aattaggcca ggcgcagtgg
                                                                      420
ctcatgcctg taatcccagc attttgggag gccaaggtgg gcggatcaca aggtcaggag
                                                                      480
                                                                      486
atagag
```

```
<210> 2322
<211> 543
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(435)
<223> similar to gi1001603 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2322
aactgtcaaa totgaccaga gacgtcccca totttgtgtg tgccatggcc ttccccacgg
                                                                       60
                                                                      120
toccatgooc actocacgtt tttgagoocc gotatoggot tatgataaga agatgoatgg
                                                                      180
aaactggcac caagcggttt ggcatgtgtt tatctgctga gcacgcgggg ctttcagagt
atggatgcat gctggagatt aaggacgtga gaacgtttcc tgatggaagt tctgttgtag
                                                                      240
                                                                      300
acgcgattgg catcagtcgg ttccgagtgc taagccaccg ccacagagat ggctataaca
                                                                      360
cagcggacat tgaatatett gaagatgaaa aggtggaggg tecagagtat gaagaacttg
                                                                      420
ccgctctcca cgattctgtg catcaacagt ctgtttcctg gttcgcgtct ctccaggatc
                                                                      480
gcatgaaaga acaaatttta agtcattttg gggtaatgcc agacagagaa cctgagcctc
                                                                      540
agagtaatcc cagcggccct gcctggtcct ggtggatcct ggccgtgctg cccctggagc
                                                                      543
gca
```

```
<210> 2323
<211> 823
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (42)...(700)
<223> similar to gi2723362 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2323
                                                                       60
gacagaaaat tttgagattg aataattccc accaaccacc cactagtagc agcaactcca
aggattgtgg aggtccggcc tccagtgggg ctggtgctac cgcagcctta gctgatggcc
                                                                      120
taaaatttgc ttctgttcag gcctctgctc cccaggggaa ttcacacaaa gagaccagca .
                                                                      180
aatcaaaagt gaaaaggagt aaaacttcta aggatgctaa taaatctctg ccttctgctg
                                                                      240
                                                                      300
ccttgtatgg gattcccgag atcagcagca ctggcaagag gcaggaagtc caagggcgcc
ctggagaggc aactggcatg aattcagcgc tgggtcaaag tgtgagcagc ggcggcagcg
                                                                      360
                                                                      420
qcaacccaaa cagcaatagt accagcacca gcacctctgc cgccaccgcg ggggcaggct
cctgtgggaa aagcaaagag gagaagccag gtaaaagcca gagcagccga ggcgccaagc
                                                                      480
                                                                      540
gggataagga tgcggggaaa tccaggaagg acaagcacga cctgcttcag ggccaccaga
                                                                      600
atggcagtgg cagccaggcc ccttccgggg ggcacctcta tggctttggg gccaagagca
                                                                      660
atggaggtgg cgcgagcccc ttccactgcg ggggcactgg gagtggcagc gtcgccgctg
                                                                      720
caggggaagt tagcaaaagt gccccggatt cagggctcat gggaaactct atgttggtaa
                                                                      780
agaaggaaga ggaggaggag gagagccaca ggcgaatcaa gaaactgaaa actgagaagg
                                                                      823
ttgaccccct gtttacagtg ccagcgccac caccgcatgt att
```

```
<210> 2324
<211> 434
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (10)...(435)
<223> similar to gi5103547 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

```
<400> 2324
tttcgttcca aacaggacat acgtgaacaa atttggggct acatggaatc acaaaattta
                                                                       60
                                                                      120
gctgactttc cccgacctgt tcatcacagg atacccaact ttaaggggtc ttatctggct
                                                                      180
tgccaaaaca tcaaagacct agacgttttt gccagaacac aggaagttaa agtggaccct
                                                                      240
gataaaccac tggaaggcgt tcggctgctg gtgctgcaga gcaaaaaaac attgttggtt
ccaacaccac gactgagaac gggattgttt aataagatca caccacccc tggggcaact
                                                                      300
                                                                      360
aaagacatct tgagaaaatg tgccacctct cagggtgtga ggaactacag tgtccccata
                                                                      420
ggettggaet ceagagteet egtggattta gttgtggtgg gateegtege egtttetgaa
                                                                      434
aaaggctgga gaat
```

```
<210> 2325
<211> 639
<212> DNA
```

```
<220>
<221> misc_feature
<222> (21)...(630)
<223> similar to gi5052558 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2325
tttcgtggca gtacgacacc aggaacagca ggatcgttct catctgtgcc aagcggtccc
                                                                       60
tgtgcgcggc cttctcggtc ctgccctatg gggaaggcct gcggatcagt gacctgaggg
                                                                      120
tggacagcca gaagcagagg cacccgtccg gcggcgtctc tgtgtcttcc gagatggtct
                                                                      180
ttgagctaga aggtgtggag ctaggágcag acgggaaggt cgtgtcttat gcgaagttcc
                                                                      240
tgtatcccac caacgccctg gtcacacaca agagtgacag ccatggcctg ctgcccacac
                                                                      300
                                                                      360
cteggeceag tgteeceegg actetgecag ggteaagaca taaacetgee eccaceaagt
cggcaccagc cagcacagaa ctagggagtg acgtggggga caccctggag tacaacccca
                                                                      420
acctcctqqa tqacccqcag tggccctgcg gcaagcacaa acgtgtcctc atctttgcgt
                                                                      480
                                                                      540
cgtacatgac cacagtgata gaatacgtga agccctcaga cctcaaaaag gacatgaacg
                                                                      600
agaccttcag ggagaagttc ccccatgtca aactgacgct gagcaaaatc aggagcttaa
                                                                      639
agegggagat geggageetg teggaggagt geageetgg
```

```
<210> 2326
<211> 1202
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (149)...(1186)
<223> similar to gi915208 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2326
taaggccagc cagaacaagc ggatagatat catacataat ctgaagctgg atagaactta
                                                                       60
tactggcttg cagactcttg gagcagagac ggtagtggat gttgaactcc atcgccattc
                                                                      120
tctcggagaa gactgtatct atcctcagtc ctcggagtct gacatctctg atgcccctcc
                                                                      180
atctttgcct ttgaccattc cagccccagt gaaagcttct tcaccaataa agcagtcaca
                                                                      240
tgagccagta cccgatacct ctgtggagaa aggattccca gctagcactg aagctgaacg
                                                                      300
                                                                      360
acacactccg ttttatgctt tgccatcttc attggaaaga acacccacca aaatgactac
atcccagaaa gttacctttt gttcccatgg caattcagct ttccagccaa tagcatcaag
                                                                      420
                                                                      480
ctgcaaaatt gttccacaaa gtcaggttcc taatcctgag tcacctggaa aatccttcca
                                                                      540
gcccatcacc atgagetgca agattgtgtc aggttececa atateaacte caageeeate
accattgcct cgaaccccga cttccactcc agtccacgtg aagcaaggca ctgccggctc
                                                                      600
                                                                      660
tgttattaat aatcettatg ttateatgga caageageeg gggeaggtga ttggageeae
                                                                      720
cactcccagt acaggaagtc ctacaaacaa gatctccacg gcttctcaga tctcccaagg
                                                                      780
aacaggttcc cctgttccta aaattcatgg aagtagtttt gtaacatcta ctgtcaagca
                                                                      840
ggaggattet ttgtttgcat etatgecace tetttgceca attgggagte accetaaggt
                                                                      900
tcaaagcccc aaacctataa caggaggact tggagctttc acaaaagtga tcatcaaaca
ggaacctggt gaagcccctc acgtgcccgc aacaggagct gccagccagt caccactccc
                                                                      960
```

```
gcagtatgtg actgtgaaag ggggtcacat gatagctgtg tcccctcaaa aacaggtcat 1020 aactcctgga gaagggattg cccagtcagc aaaggttcag ccctccaagg ttgtcgggt 1080 accagttggg tctgctttac cttcaacagt gaagcaggct gtggcgatca gtggtggcca 1140 gatcctggta gccaaggcca gctcttctgt ctccaaagca gttgggccaa agcaagttgt 1200 at
```

```
<210> 2327
<211> 408
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(409)
<223> similar to gi5733824 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2327		•			
tttcqtqqcq	gcggcggcat	ggcggagccg	agcggggccg	agacgaggcc	ccccattcgg	60
gtcaccgtca	agacccccaa	ggacaaggag	gaaattgtga	tctgcgatcg	agcctcggtc	120
aaggagttca	aaqaqqaaat	ctcccggagg	tttaaggctc	agcaggatca	gctggtcctg	180
		caaggatggg				240
		catcaagacc				300
actocttctt	cccctccac	acctgaccct	gcctcagcac	cctccaccac	gcctgcttca	360
		ctccacctct			-	408
CCC900000	003000300					

```
<210> 2328
<211> 830
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(828)
<223> similar to gi487785 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2328
gttggcatgg gtccttcatc acttaatagg cacatcagag atcacactgg acgtgaacca
aatgaatatc aggaatatgg aaagaagtca tatacacgta accagtgtgg acgagccttg
agttatcatc gctcttttcc agtacgtgaa aggactcatc ctggaggaaa gccctatgat
tgtaaggaag tgggagaaac ctttatttct cttgtaagca ttcgaagaca catgttaacg
cataggggag gtgtcactta caaatgtaag gtgtgtggga aagcctttga ttatcccagt
300
```

```
360 .
ttatttcqta tacatgaaag aagtcacact ggagagaaac cttatgaatg caagcaatgt
                                                                      420
gggaaagcct tcagttgttc cagttacatt agaatacatg aaaggactca cactggagat
aaaccctatq aatgcaagca gtgtgggaaa gctttcagtt gttccaagta cattcgaatc
                                                                      480
                                                                      540
catgaacgaa ctcacacagg agagaaaccc tacgaatgta aacagtgcgg taaagccttt
                                                                      600
aggtgcgcca gttctgttcg aagtcacgag aggactcaca ccggagagaa actttttgaa
tgtaaggaat gcgggaaggc tttgacttgt cttgcaagtg ttagaagaca catgataaag
                                                                      660
cacactggca atggacctta taaatgtaag gtgtgtggga aagcctttga tttccccagt
                                                                      720
tcatttcgaa tccatgaaag gacccacact ggagagaaac cctatgattg taagcaatgt
                                                                      780
gggaaagcct tcagttgttc cagttcgttt cgaaaacatg aaagaattca
                                                                      830
```

```
<210> 2329
<211> 894
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (179)...(731)
<223> similar to gi4101718 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2329
                                                                       60
geggggacce ggatgtgtgt ggtggeggeg geegaagage ttgtgtgegg agetgagagg
cctatggatg aggaggacgc ggcggccccg gtttgttctc atgaacaaga tggatgacct
                                                                      120
                                                                      180
caacctgcac taccggtttc tgaattggcg ccggcggatc cgggagattc gagaggtccg
                                                                      240
agctttccga tatcaggaga ggttcaaaca tatccttgta gatggagata ctttaagtta
                                                                      300
tcatggaaac tctggtgaag ttggctgcta cgtggcttct cgacccctga ccaaggacag
caattatttt gaggtgtcta ttgtggacag tggagtccgg ggcaccattg ctgtggggct
                                                                      360
                                                                      420
ggtccctcag tactacagct tggatcacca gcctggctgg ttgcctgact ctgtagccta
                                                                      480
ccatgctgat gatggcaagc tgtacaatgg ccgagccaag ggccgccagt ttgggtcaaa
                                                                      540
qtqcaactcc ggggaccgga ttggctgtgg cattgagcct gtgtcctttg atgtgcagac
                                                                      600
cgcccagatc ttcttcacca aaaatgggaa gcgggtgggc tctaccatca tgcccatgtc
                                                                      660
cccagatgga ctgttcccag cagtgggcat gcactccctg ggtgaggagg tgcggctgca
                                                                      720
cctcaacgct gagctgggcc gtgaggacga cagcgtcatg atggtggaca gttacgagga
tgaatggggc cggctacatg atgtcagagt ctgtgggact ctgctggagt acttagggaa
                                                                      780
gggcaaaagc atcgtggatg tggggctggc ccaggcccgg cacccactca gcacccgcag
                                                                      840
                                                                      894
ccactacttc gaggtggaga tegtggacce tggagagaaa tgetacateg eect
```

```
<210> 2330
<211> 861
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (216)...(591)
```

## <223> similar to gi5725506 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2330
teccqqqteq acqattteqt etgqaqtqtt agcaccagta etgqatgtga cagcaggcag
                                                                       60
aggagcactt agcagcttat tcagtgtccg attctgattc cggcaaggat ccaagcatgg
                                                                      120
aatgctgccg tcgggcaact cctggcacac tgctcctctt tctggctttc ctgctcctga
                                                                      180
qttccaggac cgcacgctcc gaggaggacc gggacggcct atggggatgcc tggggcccat
                                                                      240
qqaqtgaatg ctcacgcacc tgcgggggag gggcctccta ctctctgagg cgctgcctga
                                                                      300
gcagcaagag ctgtgaagga agaaatatcc gatacagaac atgcagtaat gtggactgcc
                                                                      360
caccagaagc aggtgatttc cgagctcagc aatgctcagc tcataatgat gtcaagcacc
                                                                      420
atggccagtt ttatgaatgg cttcctgtgt ctaatgaccc tgacaaccca tgttcactca
                                                                      480
                                                                      540
agtgccaage caaaggaaca accetggttg ttgaactage acctaaggte ttagatggta
cgcgttgcta tacagaatct ttggatatgt gcatcagtgg tttatgccaa gtaagtgctg
                                                                      600
atttqttctc attcaacttq tccaqaqqqt ttcaatqtct ttqtqtaaat qqtttacata
                                                                      660
qtctcactct ctqaatcact catctttaca ctttttaqaq tttqtaaatq qtqaaaqatt
                                                                      720
tgaaaattaa ggtatgattt cagtgaaaag taccaagtgt tgtattgtgc gaaggaaaag
                                                                      780
tagactagag ttatttttct ttccttgagt gtcacttgaa tataaaagaa taaaaatttt
                                                                      840
tgaatagtgt taaaaaaaaa a
                                                                      861
```

```
<210> 2331
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(420)
<223> similar to gi192459 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

```
<400> 2331
tttcgtagag gcccaagagg tgagcgaggt ctgcaccacc cctggctgcg tgatagcagc 60
tgccaggatc ctccagaaca tggacccgac cacggaaccg tgtgacgact tctaccagtt 120
tgcatgcgga ggctggctgc ggcgccacgt gatccctgag accaactcaa gatacagcat 180
ctttgacgtc ctccgcgacg agctggaggt catcctcaaa gcggtgctgg agaattcgac 240
tgccaaggac cggccggctg tggagaaggc caggacgctg taccgctcct gcatgaacca 300
gagtgtgata gagaagcgag gctctcagcc cctgctggac atcttggagg cggtgggagg 360
ctggccggtg gcgatggaca ggtggaacga gaccgtagga ctcgagtggg agctggag
```

```
<210> 2332
<211> 737
<212> DNA
```

```
<213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (7)...(738)
    <223> similar to gi294543 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2332
tttcgtggag aaattgctga aaatctccct gaacaagata ttctgataca gagcgtctgt
                                                                       60
gagacgatgg tgccaaagct ggtggcagag gacatcccgc tgctcttcag cctcctgtcg
                                                                      120
                                                                      180
gacgtgttcc ctggagtcca gtatcacagg ggtgagatga ctgcccttcg agaggagctg
aagaaagtgt gtcaggagat gtatttgaca tatggagatg gagaagaagt tggtggaatg
                                                                      240
                                                                      300
tgggttgaaa aggttctcca gctctatcag atcacccaga tcaatcatgg cctgatgatg
gtggggccct cgggaagtgg gaagagcatg gcctggcgtg tcctgctgaa ggcattggag
                                                                      360
agactcgagg gtgtggaagg tgtggcccat atcatcgacc ccaaggccat cagcaaagac
                                                                      420
cacctctacg gaaccctgga ccccaacacc agggaatgga cagatgggct cttcacacac
                                                                      480
gtgctgagaa agatcatcga cagcgtgaga ggcgagctgc agaagcgcca gtggatcgtc
                                                                      540
ttcgatggcg atgtggatcc agagtgggtt gagaacttga actcagtgct ggatgacaat
                                                                      600
aagctcctaa ctttgcccaa tggagagcgc ctcagtcttc cacccaatgt gagaataatg
                                                                      660
tttgaggtac aggacttgaa atacgcgacc ttggccacag tgtcgcgctg cggcatggtc
                                                                      720
                                                                      737
tggttcagtg aggatgt
     <210> 2333
     <211> 491
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (321)...(425)
     <223> similar to gi3687231 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2333
gegggtggtc gtagctcggt agtccagttg tgggtaatcg gggctgtttg ttcctgtccg
                                                                       60
agagageteg geggagaegg etgtegagta ecetteaeet eggtgttggg ageetgggag
                                                                      120
                                                                      180
cgaactgcgg cgcgggttac cgctcccggg gacgcagcaa ggggcatcga gtccctggcg
                                                                       240
ggagetgege catggeattg etetegaceg teeggggege gaeetggggt egeetegtea
                                                                       300
cccgtcattt ctcccatgca gcgcggcatg gggagcggcc tggtggggag gagctaagcc
                                                                       360
gettgetget ggatgacetg gtgeegacet eteggetgga gettetgttt ggeatgacee
cgtgtctcct ggctctgcag gccgcccgcc gctctgtggc ccggctcctg ctccaggcgg
                                                                       420
                                                                       480
gtaaagctgg gctgcagggg aagcgggccg agctgctccg gatggccgag gcgcgggaca
```

ttccagttct g

491

```
<210> 2334
     <211> 428
     <212> DNA
     <213> Homo sapiens
    <220>
     <221> misc_feature
    <222> (16)...(414)
     <223> similar to ĝi2370155 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2334
tttcgtgccg ctctggagcg gcgggtgccg agtctcgatg acttcgcggg acagagctgg
                                                                       60
agetegtggg tggageggge egacetgeee geggetgaeg gggetgaget ggaggagagt
                                                                      120
agcaaaaaca cgaagaagtt ggatgccatg accctcatta aagaagacat gtccatcttc
                                                                      180
gggcactgcc ctgcccatga tgacttctac ttggttgtgt gtaaccactg cagccaagtg
                                                                      240
gtgaageete aagettteea gaageaetge gaaagaagae atgggeeeet eageaagett
                                                                      300
                                                                      360
tatggccggg ccccacccc acctccagcc cctgccagct ctcagaaatg ccatgtagtg
aatgggcagg gcccagcttg tagggcccca ggttccacga aaacctcctc cagggagaag
                                                                      420
                                                                      428
ggccaggg
     <210> 2335
     <211> 433
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (139)...(434)
     <223> similar to gi2407245 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2335
tttcgtgtgg gtgtctcggt ggagccttgt ttagcagttt cttttctagg agcctcttga
                                                                       60
                                                                       120
aggactcacc gtagatgcag gaagacattg gatgaggtca gcatagctga agtgaggtgt
                                                                       180
ctgggttaga caatggctat ggccctggaa ttgcaagccc aggcatctcc gcagccagag
                                                                       240
cctgaagaac tcctgattgt gaaactggaa gaggactctt ggggatcaaa atccaaactc
                                                                       300 /
tgggagaagg accgtggctc tgtctctggc ccagaggcct cccgccagcg cttcaggcaa
                                                                       360
ttccaataca gggatgcagc tggaccccac gaggccttca gccagctctg ggctctctgc
                                                                       420
tgtcgttggc tgaggccgga gatccgtctc aaagagcaga tcctggagct gctcgtgctg
                                                                       433
gagcagttcc tgg
```

```
<210> 2336
     <211> 517
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(518)
     <223> n = a,t,c or g
     <220>
     <221> misc_feature
     <222> (8)...(486)
     <223> similar to gill45791 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2336
                                                                       60
tttcgtcggg gatgaagatg aagacatccg ggacaggggt gctaaacccg tcatggtcta
                                                                      120
catccacgga ggctcttaca tggaagggac aggcaacatg attgatggca gcatcctcgc
cagttatggc aatgtcatcg tcatcaccct caactatcgg gttggagtgc taggtttcct
                                                                      180
qaqtactqqa gatcaggctg ccaagggcaa ctatgggctc cttgaccaga tccaggccct
                                                                      240
ccgctgggtg agcgagaata ttgccttctt cgggggagac ccccgccgga tcactgtctt
                                                                      300
tggctcgggc attggtgcat cctgcgtcag cctcctcacg ttgtcacatc actcagaggg
                                                                      360
                                                                      420
actiticag agagecatea tecaaagtgg etetgetetg tecagetggg etgtgaceta
                                                                      480
ccaaccagtg aagtacaaca gcctgctgac agacaaagtg ggctgtaatg tgctggcccc
cgtacgaaat cgtagncccg ggggttcatc gaccata
                                                                      517
     <210> 2337
     <211> 996
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (68)...(998)
     <223> similar to gi4240231 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2337
ggaaggaget getggaeagg eegagggage etacgteega gaeegegeag aegeegeege
                                                                       60
catggtaaga aaatcatttt tgagttacaa cacaaccatc tggggccctt tggaactggt
                                                                      120
ggagaagctg taccccgaag cagaggaaat aggagctaga gtccgggatc tacctggtct
                                                                      180
                                                                      240
gaagacccct ctgggtcgag caagagcgtg gcttcgatta gccctcatgc aaaaaaaaat
                                                                      300
ggccgattac ttacgttgct caattattcg gagggatctc ttgagtgagt tttatgagta
                                                                      360
tcacgcacta atgatggaag aagaaggagc agtaattgtt gggctgctgg ttggcctgaa
                                                                      420
tgtgatcgat gctaatctgt gtgtgaaggg agaggattta gactcacaag ttggagtgat
```

```
tgatttttct atgtatttaa agaatgaaga agatattgga aataaagaaa ggaatgttca
                                                                      480
                                                                      540
aattgctgcc atattagacc aaaagaatta tgttgaagaa ttaaatagac aactgaacag
                                                                      600
cacaqtcaqc aqcctccatt caagagttga ttcattagaa aagtcaaata ctaagctgat
tgaagagtta gcaatagcaa agaataacat cattaaactc caggaagaaa atcatcaatt
                                                                      660
acqaagtgaa aataaattga ttttaatgaa aacacagcag cacctagagg ttaccaaagt
                                                                      720
                                                                      780
agatgtggaa actgagcttc aaacatataa gcattctcgt caggggctag atgaaatgta
                                                                      840
caatqaaqcc agaaggcagc ttcgagatga atctcagtta cgacaggatg tagagaatga
                                                                      900
qctaqcaqta caagttagta tgaagcatga gattgaactt gccatgaagt tgctggagaa
agatatccat gagaaacaag atactctgat aggccttcga caacaactag aggaaggtaa
                                                                      960
agcaattaac atagagatgt atcaaaagtt gcaggg
                                                                      996
```

```
<210> 2338
<211> 597
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (154)...(598)
<223> similar to gi296605 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2338
aaaatcttac caactcatag agttggggtg agaattcgaa ggtaattcta tataaggtaa
                                                                       60
                                                                      120
ggcctccagc aagagctatg gtggttgtga cactgactga ggctggggga ggccctcact
                                                                      180
cacceteett cettettggt ttteteetac ceagatgtgg cagtggatgg geagaactgg
                                                                      240
acqtttgctt ttgacttctc cttcctgagc caacaagagg atctggcatg ggctgagctc
cggctgcagc tgtccagccc tgtggacctc cccactgagg gctcacttgc cattgagatt
                                                                      300
                                                                      360
ttccaccage caaageeega cacagageag getteagaea getgettaga geggtttcag
atggacctat tcactgtcac tttgtcccag gtcacctttt ccttgggcag catggttttg
                                                                      420
                                                                      480
gaggtgacca ggcctctctc caagtggatg aagcgccctg gggccctgga gaagcagatg
tccagggtag ctggagagtg ctggccgcgg cccccacac cgcctgccac caatgtgctc
                                                                      540
                                                                      597
cttatgctct actccaacct ctcgcaggag cagaggcaga tgggtgggtc caccttg
```

```
<210> 2339
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (163)...(425)
<223> similar to gi3953475 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2339
                                                                       60
tttcgtccca tgactgagcc ccgccgccgc cggccgttga atgggctccg ggctctggta
ggaagcgctg ggagcggggg gcgcttttaa aacaccgatc tgggtttttt aaaaacctcc
                                                                      120
tttgaaaaaa taatggcaaa ctcgacgggg aaggcgcctc cggacgagcg gagaaaggga
                                                                      180
                                                                      240
ctcgctttcc tggacgagct gcggcagttc caccacagca gagggtcgcc ttttaaaaaa
                                                                      300
atccctgcgg tgggtgggaa ggagctggat cttcacggtc tctacaccag agtcactact
                                                                      360
ttaggcggat tcgcgaaggt ttctgagaag aatcagtggg gagaaattgt tgaagagttc
                                                                      420
aactttccca gaagttgttc taacgctgcc tttgctttaa aacagtatta cttgcgttac
                                                                      430
ctagaaaagg
```

```
<210> 2340
<211> 1696
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1312)...(852)
<223> similar to gi156195 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2340
ttttttttt ttgcaggacc acaaaatgga actttattca gtcacagaca ctgaccctcc
                                                                       60
aatageeeea gaageaagag eetagggeee ageaateeat acceagteet tggagttggg
                                                                      120
cagggtagga cgctggccaa gggccagtgc tgtctcttgc ttacagcctg aggactacgg
                                                                      180
                                                                      240
gagcagcagc tgtggcctgg ccgctcccaa tgctgggggc ttggcttggt gccccatccc
                                                                      300
cttcctgact gagctctatg aaggactctt aaaaaaataa aataaaatgc aagcaaagtg
                                                                      360
ctttgaaaga agggaggaca ccctattcct gctaaggggt agaggaagaa ggtgaaggcg
                                                                      420
gctaggtgcc cataagagaa ggctggcaca atcttcattc ccgccagtgt gatttcagtc
                                                                      480
tcaaaagatg agtatttggc tgagaaatgg aaggatactc caggeteect acggagttgt
getggggeca tgetgagetg ecettgeagg cagecetggg tgetggggge agacatgeag
                                                                      540
                                                                      600
gacactggga agagtcagaa ccacaggtgg gagggaatct cagagcccag gctccccact
                                                                      660
gagettggee ageagetttg aacteettea gaggaceett teattttett eetatgteet
                                                                      720
tategtecat acateceaaa taetaggaag etgaagaaga eggtgaetee caecagggag
                                                                      780
acagtggcag gtgctgtgaa gaattggcgg taattgattc ggaagtacca gaccacacc
aacagcacca caaagacagg caccatgagg ctgcccacat tgacaccaag gctgggtggc
                                                                      840
                                                                      900
tcagtggccg agggggccaa ggaggctgag gggcctggaa cagctgaccc tggggggtgag
cggtggcagt gaatcacaca gttgtcggta atgttcagag aacgcagtgt gcgggctggg
                                                                      960
tcttgtagca ggcggccctg gtagatcagt ttcatctggc tttcttgtcc agggaagtat
                                                                     1020
ttgctcttca gggcacccac ggtatcctct ggcctagcca cagccagctc ctcggtatca
                                                                     1080
ttgaggaatt tgagccgcac agtgatgagg ccagggctgg gagggaggca ggtgctatcc
                                                                     1140
tcagatctca ggggggcctc tggactgctg ctgcctgcac ctgcttgtct tttgggcagg
                                                                     1200
                                                                     1260
ccttggatgt caaggagatg ctcaaggctg ggctcaacac caccccagc tccagcctcc
                                                                     1320
ccagtggagt ctccccgacc ttcacccgcc tcttcagcct tctcatcatt accctctgat
                                                                     1380
ggatggggga gttcagttgg ctcggggttg ccttggcctg ccaccaggtg gtccacatgc
                                                                     1440
cccaggtgga ggacggatgt gtcgcctgct gacacaatag cgcccaggag ctggttgcta
                                                                     1500
ccgctgtctg ctacgtaggt agagagccaa gctaggacca aggctagaat cagcaccacc
                                                                     1560
acacctgcca ccaccatcac ctcattaccc acaccctcaa tgagggtgac atcagagagc
```

tccatggcct ggctgctggc agggtccacg ctgaaaagac cagactaaat gttttgacct 1620 cgccaggacg gccctggac tcgtctttcc gtaggggtcg ggaaaagggc tggcaatctg 1680 cgattctgtt cagggt 1696

```
<210> 2341
<211> 720
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(721)
<223> n.= a,t,c or g

<220>
<221> misc_feature
<222> (349)...(720)
<223> similar to gi5106572 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2341
aaaaaacaag tgtgcttttt ctaaaaacta aaatggttgc ccattactga taaaaggtgt
                                                                       60
aaaatattit agttittaga aaaaacaagt gtgcttttag acaatataat ctttttccaa
                                                                      120
                                                                      180
ggagtgatct aaagctggaa aaaggaatac atgtgagagg gagccccttg cccttcttac
                                                                      240
cgtggttctc ctggctgctg ctccttccca atttaaatta cagttgttgt tataaagtaa
cagccettet georgeaace etetgeaget gagetgeece teetggacet gatgaagetg
                                                                      300
tacgaaggcg ccttcctgcc gagttctcag tggccccggc cgaagcctga tggggaggac
                                                                      360
acaageggag aggaagatge agatgactgt ceaggegaca gggagagteg caaggacttg
                                                                      420
                                                                      480
gttctcatcg actcgctttt catcatggat cagttcaaag ctgccgagag gatgaatatc
gggaagccaa acgccaagga cattgcggac gtcactgcgg tggctgaagc catcctgccg
                                                                      540
aagggcagtg ctcgggtcac aacctcggtc aagtttaatg ctccatcttt gttgtatggg
                                                                      600
                                                                      660
gctctcagag attatcagaa gattggcctg gactggctgg ccaaacttta caggaagaat
                                                                      720
ctcaatggca tattggcaga tgaagctggg ctgngtaaaa cagtgcagat cattgctttt
```

```
<210> 2342
<211> 556
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(516)
<223> similar to gi3786430 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2342
caggctgtta agacaagagc ttgtggtgct ttgccacctt caccacccca gtttgatatc
                                                                       60
tttgctggca gctgggattc gtccccggat gttggtgatg gagttagcct ccaagggttc
                                                                      120
cttggatcgc ctgcttcagc aggacaaagc cagcctcact agaaccctac agcacaggat
                                                                      180
tgcactccac gtagctgatg gtttgagata cctccactca gccatgatta tataccgaga
                                                                      240
cctgaaaccc cacaatgtgc tgcttttcac actgtatccc aatgctgcca tcattgcaaa
                                                                      300
                                                                      360
gattgctgac tacggcattg ctcagtactg ctgtagaatg gggataaaaa catcagaggg
cacaccaggg tttcgtgcac ctgaagttgc cagaggaaat gtcatttata accaacaggc
                                                                      420
tgatgtttat tcatttggtt tactactcta tgacattttg acaactggag gtagaatagt
                                                                      480
agagggtttg aagtttccaa atgagtttga tgaattagaa atacaaggaa aattacctga
                                                                      540
                                                                      556
tccagttaaa gaatag
```

```
<210> 2343
<211> 816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (89)...(722)
<223> similar to gi1825699 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2343
                                                                       60 -
atgateteae egatggetea etgtgaeete egeetetegg gtteaagtga etettetgee
tcagcctcct gagtggctgg gactataggt tgctgaccag caatcatcca tgtttggaga
                                                                      120
                                                                      180
gtgctgcttc cagacaggtg atgtgaaatt aaccatggga actgggacat ttttggatat
                                                                      240
taacactgga tatagccttc aacagactac tggaggcttt tatccattaa ttgggtggaa
gattgggcaa gaagtcgtat gcttagctga aagcaatgca ggagacactg gtactgccat
                                                                      300
                                                                      360
aaaatqqqct cactatttag accttttcac agatgctgct gagactgaaa aaatggccaa
                                                                      420
aagtttggag gattctgaag gagtttgttt tgttccatct tttagtggat tacaggctcc
                                                                      480
attaaatgac ccctgggcat gtgcctcttt tatgggtttg aagccttcta ccagtaaata
ccatcttgta cgagcaatat tggagtcaat agctttcaga aacaaacagt tatatgagat
                                                                      540
gatgaagaaa gagattcata ttcctgtaag aaaaatccgg gcagatggag gagtttgtaa
                                                                      600
                                                                      660
gaatggtttt gtcatgcaga tgacttcaga cctgattaat gagaatatag acagacctgc
cgacattgac atgtcatgcc tgggtgcagc ttctctagct ggccttgctg ttggtatgtg
                                                                      720
                                                                      780
tgaaatttat aagaatgaga gttttcttgc aaactcttcc ttacagatag catttctcct
                                                                      816
ctcaaattac aaaattctag agagtcaaaa aaaaaa
```

```
<210> 2344
<211> 914
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (9)...(917)
<223> similar to gi3327078 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

<400> 2344 60 ggaattegeg gecaaggagg acageecagg ceaaggeagg caaceteatg teageeatge 120tgcatgtgga ggccctggag aggcagctgt ttctggaacc ttctcaggca cttgggcctc 180 cagageetee ggaageeaga gtgeeeggea aggeeeaace agaggtggat actaaggeag 240 ageccageca cacageagee etcacegeag tggecetgaa gecaceteee gtggagetgg aagtcaacct cctgaccccc ggggccgttc cccctacagt ggtctccttt ggaacggtga 300 360 ccaccccage tgaccggetg geettgatag ggggeetgga gggetteetg ageaagatgg cagagcacag gcagcagccc gacatcagga ccctcacgct actggccgag gtggtggagt 420 480 ccqqqaqtcc tgcagagtcc ttgctgctgg ccctcctgga tgagcaccag gtagaggccg 540 acctgacatt ctttaacacg ctggtgagaa agaagagcaa gctgggagac ctggagggg 600 ccaaqqcqct gttgccggtc ctggcaaaga ggggcctcgt ccccaacctg cagacattct 660 qcaacctggc catcgggtgc cacaggccga aggacggtct acagcttctc acagacatga agaagtccca ggtgaccccc aacactcaca tctacagtgc cctcatcaac gcggccatca 720 780 ggaagctgaa ctacacctat ctcatcagca tcttgaagga catgaagcag aacagggtcc 840 cggtgaacga agtggtcatc cgccagctgg agtttgcagc ccagtaccct cccacctttg .900 accggtacca agggaagaac acctacctgg agaagattga cggcttccga gcctattaca 914 agcagtggct gacg

```
<210> 2345
<211> 430
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(423)
<223> similar to gi211622 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2345
gaggacceta caggtgetge tggtacttac acatggecag teccaagaeg aggtggecea
                                                                       60
                                                                      120
ggccgcggaa gccctgagac acagaggtat cgacatctac tccgtgggca ttggggatgt
                                                                      180
ggatgaccag cagctcattc agatcaccgg gactgcagag aaaaaactga cagtgcacaa
                                                                      240
cttcgatgaa ctgaagaagg tcaataaaag gatcgttcgc aacatctgta ccacagcggg
                                                                      300
tgaaagcaac tgtttcgtgg atgttgtggt gggatttgat gtctcaactc aggagaaagg
gcagactttg cttgaaggtc agccttggat ggaaacctac cttcaagaca tcttacgtgc
                                                                      360
                                                                      420
catcagetee etcaatggag taagetgtga ggtgggeaca gagaeteagg teagtgtgge
                                                                      430
ttttcaagtg
```

```
<210> 2346
     <211> 655
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (2)...(579)
     <223> similar to gi1545959 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2346
                                                                        60
ccagcccagc gccaaggccc tggggagcat cctggcctac ctgacggacg ccaagaggag
                                                                       120
qctgcgcaag gttgtctggg tgagccttcg ggaggaggcc gtgttggagt gtgacgggca
cacctacage etgeggtgge etgggeecee tgtggeteet gaccagetgg agaccetgga
                                                                       180
ggcccagctg aaggcccatc taagcgagcc tcccccaggc aaggagggcc ccctgaccta
                                                                      , 240
caggiticcag acctgeetta ecatgeagga ggietteage cageacegea gggeetgiee
                                                                       300
                                                                       360
tggcctcacc taccaccgca tccccatgcc ggacttctgt gccccccgag aggaggactt
                                                                       420
tgaccagetg etggaggeec tgegggeege ectetecaag gacccaggea etggettegt
                                                                       480
gttcagctgc ctcagcggcc agggccgtac cacaactgcg atggtggtgg ctgtcctggc
                                                                       540
cttctggcac atccaagget teecegaggt gggtgaggag gagetegtga gtgtgeetga
tgccaagttc actaagggtg aatttcaggt gagcatgccc tgcggggtcc ctgaggcacc
                                                                       600
ttgggatggg aggaggagga ggactcctgc ttgccggtct aggggtcctc aaagg
                                                                       655
     <210> 2347
     <211> 1289
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1)...(1290)
     \langle 223 \rangle n = a,t,c or g
     <220>
     <221> misc feature
     <222> (183)...(905)
     <223> similar to gi5532497 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2347
                                                                        60
agggcagggt tcagaaagac tgaatgtaaa gctgggctct gagtctgcca ggcccttcgt
gtgttgctct gcacattaat taaagggtct acgaggtcag caaggacgcc caagaagact
                                                                       120
cagtcatgaa aggtgaactg ctcctgtttt ccagtgtgat tgtcctgctc caggtggtat
                                                                       180
gcagctgccc ggacaagtgt tactgtcagt catctacaaa ttttgtagac tgcagccagc
                                                                       240
```

```
300
agggtctggc cgaaatccct tcccatttac ctcctcagac tcgaacgctg catttacaag
                                                                      360
ataatcagat acaccatctt cctgcttttg catttaggtc agtgccatgg ctcatgacct
                                                                      420
taaacttgtc caacaattcc ctttcaaatc tggcccctgg agctttccat gggcttcagc
                                                                      480
acttgcaggt tttaaatcta acccagaatt cactcctttc cctggaaagc agacttttcc
                                                                      540
attccctccc tcagctgagg gagcttgatt tgtcatcaaa caacataagc caccttccca
                                                                      600
catccttggg agagacttgg gagaacctaa ctatacttgc ggttcaacaa aaccagcttc
                                                                      660
agcagettga tegagegete etggaateea tgeecagtgt gaggetttta etteteaagg
acaacctctg gaaatgcaat tgccacttgc tcggtcttaa actctggctg gagaaatttg
                                                                      720
                                                                      780
tctataaagg gggactaaca gacggcatca tctgtgaatc accagacacc tggaagggaa
aggacetect taggatecet catgagetgt accagecetg ecetetteet geteetgate
                                                                      840
cagtgtcctc gcaggnctca gtggcccggc tctgcccccg gtgtggtctt gaggcctcct
                                                                      900
tgagaaccac aacgtggggg agcgaggaac tcttggggagt tgcgagctca aacccaagcc
                                                                      960
aaggccggcc caacctgcgt catgcccatt gccactgtca tcattcactg gcgttgtgtg
                                                                     1020
tgggattgtg tgtctcatga tgttgggcag ttgccatctt atggctgcaa ctatgcggca
                                                                     1080
atcacagccc agtaccatgg gggacccttg gctcaaacca atgtatcctg ggaaggtgga
                                                                     1140
                                                                     1200
agaaaaagag cgattttgac agctcaccag cctgagagct tttgtctcaa atagggattg
gtcattgcag gccagaagat agtgtctgag tagggctgat gtgtttcctg ttagtctgat
                                                                     1260
                                                                     1289
tttgcttttg ccaaaagaca aaaaaaaaa
```

```
<210> 2348
<211> 785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(788)
<223> similar to gi4104168 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2348
                                                                       60
cccgggtcga cccacgcgtc cggagactca acaccagcat tcaggagatg ctccgagtgc
                                                                      120
ttttctccac agactcgagg gtacagaaga tgtttgagat cctcttggat gaaaacagtg
                                                                      180
aggctgataa gcgggaaaag gctgccaaca atctcattgt cctaggccgt gaggaagcag
gggctgagaa gatcttccag aacaatggag tagccttgct actgcagctt ctggacacta
                                                                      240
                                                                      300
agaagcctga gctggtgctg gctgcagtgc ggaccctgtc gggcatgtgc agcggccacc
                                                                      360 ...
aagccagagc cacagtgatt ctgcatgcag tgcggataga ccgaatctgt atcctcatgg
                                                                      420
ccgtggagaa tgaggagatg tctctggctg tctgcaacct gctccaagcc atcattgact
ccttgtctgg ggaggacaag cgggagcatc gagggaagga ggaggccctg gttctagaca
                                                                      480
ccaagaagga cctgaagcag atcaccagcc acctgctgga catgctagtc agcaagaagg
                                                                      540
tgtctggcca gggcagggat caggcgctga acctgctcaa taagaatgtt cccaggaagg
                                                                      600
                                                                      660
accttgccat tcatgacaac tcacgtacca tctatgtggt ggataatggt ctgaggaaga
teetgaaggt tgtggggeag gtteeagate tgeeateetg cetgeeeetg actgacaaca
                                                                      720
                                                                      780
cccgcatgct ggcctctatc ctcatcaaca agctctatga tgacctgcgc tgtgacccgg
                                                                      785
agcgc
```

```
<210> 2349
    <211> 632
    <212> DNA
    <213> Homo sapiens
     <220>
    <221> misc feature
    <222> (1)...(579)
    <223> similar to gi3882221 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2349
aacqtcatqc atctctggcc attcaccata catgatctac gaggtctggg tgccaagaag -
                                                                       60
ttctatggca agttctgtgc tggagccatc gaccatatca gtatccgtca gctccaacta
                                                                      120
                                                                      180
atacttttga aagtagcctt gatcctaggc attgaaatcc acgtcaatgt ggaattccaa
ggacttatac agcctcctga ggaccaagag aatgaacgga taggctggcg ggcactggtg
                                                                      240
caccccaaga ctcatcctgt gtcagagtat gaatttgaag tgatcatcgg tggggatggt
                                                                      300
cggaggaaca ccttggaagg gtttcgtcgg aaagaattcc gtggcaaact ggccatcgcc
                                                                      360
atcacggcaa attttatcaa ccgaaataca acagcagaag ctaaagtgga agagatcagt
                                                                      420
qqtgtggctt ttatattcaa ccaaaaattt ttccaggaac tgagggaagc cacaggtatt
                                                                      480
gacttggaga acatcgttta ctacaaagat gacacacat atttcgttat gacagccaaa
                                                                      540
aagcagagtt tgctggacaa aggagtgata ctacatgtga gccacggatt tccttcaaaa
                                                                      600
                                                                      632
ctctttctta ttgaagtggc taatatcacc aa
     <210> 2350
     <211> 435
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (3)...(429)
     <223> similar to gi930104 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2350
caaaggccag taatagtacc catgagtttc gtattggcct acctgagggg tgggaatccg
                                                                       60
aaaaaaaggc agttatcccc ctggggatcg ggccacccct gactttaatc tgcctagggg
                                                                      120
                                                                      180
ttctgggggg tattctcatc tacgggagga aaggettcca aactgcccac ttttacttaa
aggacagtcc atcccctaaa gtaatatcca cccctccacc acctatcttt ccaatttcaa
                                                                      240
aggaggtcgg accaattcca ataaagcact ttccaaagca tgtggcaaat ttacatgcaa
                                                                      300
                                                                      360
gtagggggtt tactgaaaaa tttgaaacac tgaaaaagtt ttaccaggaa gggcaaagct
                                                                      420
gtactgttga cttaggtatt acagcaaaca gctccaacca cccagacaac aggcacagga
```

atcgatcctt aattg

435

```
<210> 2351
    <211> 426
    <212> DNA
    <213> Homo sapiens
    <220>
    <221> misc_feature
    <222> (13)...(427)
    <223> similar to gi3882141 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2351
                                                                       60
aattcccggg tcgagggcta catcagcaac ctgcggaagc agctggagac gctgtctggg
                                                                      120
gacagggtga ggctggactc ggagctgagg aatgtgcggg acgtagtgga ggactacaag
aagaggtatg aggaggaaat caacaagcgg acagcagcag agaacgagtt tgtgctgctc
                                                                      180
aagaaggatg tggatgctgc ttacgccaat aaggtggaac tgcaggccaa ggtggaatcc
                                                                      240.
                                                                      300
atggaccagg agatcaagtt cttcaggtgt ctctttgaag ccgagatcac tcagatccag
teccacatea gtgacatgte tgteatectg tecatggaca acaaceggaa cetagacetg
                                                                      360
gacagcatca ttgacgaagt ccgcacccag tatgaggaga ttgccttgaa gagtaaggcc
                                                                      420
                                                                      426
gaggct
     <210> 2352
     <211> 449
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (3)...(449)
     <223> similar to gi186772 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2352
                                                                       60
ctacacggcc ggaattcccg ggtcgaggga ggtgtggtgg tggtggatat gggatccatg
                                                                      120
gaagggggtt tggctctagg agcctctaca atctgggtgg cagtagaagc atctccatta
                                                                      180
atctaatggg gaggagcact agtggtttct gccagggtgg gggagtaggg ggatttggag
                                                                      240
ggggcagagg ctttggggtt ggcagcactg gggctggtgg ctttggagga ggtggttttg
                                                                      300
ggggtgctgg atttgggact agcaattttg ggcttggggg ctttggtcct tattgtcctc
                                                                      360
ctgggggcat ccaagaggtg accattaacc agagcctcct agagccactt cacctggagg
                                                                      420
tggaccctga aattcagagg atcaagaccc aggaggggga gcagattatg gttctcaaca
                                                                      449
acaagtttgc ctccttcatt gacaaggcg
```

```
<210> 2353
<211> 883
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (544)...(803)
<223> similar to gi2104558 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2353 tcagatgtga ccttcctggt ggaaggaaag ctgttttatg cacataaagt cctgctggtg 60 acagetteta acaggtagge ageeteagat aacaaactee cageecaggg geacagaage 120 accttgtttc agattccagg tgacagagag tgactcgctg gggctgtacc ctgcagcctc 180 tgcccctcag actgcagtca cattgcagca gagccccact cgccccacag cgggatgaga 240 cggggtggac ccagggcagc aggaaagggg ggctctgagg tggtgttctt tctggcctag 300 ttattgcttt tattattaga aaacataaat atcctggaat gaagagtcag cattctggcc 360 acaggogtca ggtcgcttgt agggtgggtg gtggggacag aattgggctc agctcagatg 420 480 tettectaag atggtgtaaa atggeaettg etgaaaatta ttttaggage acageagtaa tttttaaaat gttccgtctt gtggtagccg gtcaggtgac agatggtgcc atcgccacac 540 agtggtgaag taaaaggttc aaaacccacc ttgctttgtc tcctttgctc caggttcaag 600 660 acactaatga ccaataaatc agaacaggat ggggacagca gcaagaccat cgagatcagc gacatgaagt accacatttt tcaggtgtgt gggtcttggt gccgccctct tctcagaggg 720 atgaccetee eccaggagee cacettgtgg geagetgtge attggttgte attgtteact 780 ctattcccag tgccttctgt attctgttga atgaatagag catccaggtc tttccctgtg 840 cagaggtagc catccgttgt ggggctgcag cttcagagcc tgt 883

```
<210> 2354
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(593)
<223> similar to gi3874826 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2354
cccacgcgtc cgcttgagca aggtccggca caagctccgc aagttcctcc agaggcggcc 60
cacactgcag tcgctgcgg agaagggcta catcaaagac caggtgttcg gctgcgcgct 120
ggccgcgctg tgtgagcgcg agaggagccg ggtgccacgc ttcgtgcagc agtgcatccg 180
cgccgtcgag gcccgcgggc tggacatcga cgggctgtac cgcatcagtg gaaacctggc 240
caccatccag aagctacgct ataaggtgga ccacgatgag cgccttgacc tggatgacgg 300
gcgctgggag gacgtccacg ttatcaccgg agccctgaag ctcttctttc gggagctgcc 360
```

```
cgagccctc ttcccttct cgcacttccg ccagttcatt gcggccatca agttgcagga 420 ccaggcccgg cgcagccgct gtgtgcgtga cttggtgcgc tcgctgcccg ctcccaacca 480 cgacactctg cggatgctct tccagcacct ctgccgggtg atcgagcacg gcgagcagaa 540 ccgcatgtcg gtgcagagcg tggccattgt gttccgggcc acgctgctgc ggcccgaggt ggaagagacc agcatgcca tgaccatggt gttccagaac caggtggtgg agctcattcc tgcatcagtg cgcggacatc ttcccgccgc actgactgct ggcctgtgac tgggacggc 720 ggtcgc
```

```
<210> 2355
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(653)
<223> similar to gi3882331 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2355
gaccaacaag togagtggat ccagaactgc ccctcccggc gcagccagcc cgtggaccac
                                                                       60
                                                                      120
gattgtaact ccttgctggt cacgctgagt tttgacctgt gtgagcgggg ccgccgggcc
                                                                      180
ctggagacag cctctcacag catgtctgca agcctggagc ccttcctcta cggcctgcac
                                                                      240
gccctgttca agggggattt tcgcatcacc tccccacgtg acgagtgggt ctttgccgac
atggacetge tteacegegt tgtggegeet ggggttegea tggeeetcaa getteaceag
                                                                      300
gaccactica cgtccccaga tgaatatgag gagccagcag ccctatacga tgccattgcg
                                                                      360
                                                                      420
gccaacgagg agcggctggt catctcacat gagggtgacc cagcatggcg cagcgccatc
ctcagcaaca cgccctccct gctggcgctg cgccatgtcc tggatgatgc ctccgacgag
                                                                      480
tacaagatca tcatgctcaa ccggcgccac ctcagcttcc gagtcatcaa ggtgaaccgg
                                                                      540
gagtgcgtgc gcggcctgtg ggccgggcag cagcaggagc tggtgttcct gcgcaaccgc
                                                                      600
                                                                      652
aaccccgagc gtggcagcat ccagaacgcc aagcaggcgc ttcgcaacat ga
```

```
<210> 2356
<211> 641
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (60)...(641)
<223> similar to gi1778382 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2356
gccactcaat atcgggaagg ctgggacgcc tgtggggacc gccacgttat tcgcggggcg
                                                                      60
acccacgcgt ccgacccaag gagaagctgc acaccctgga ggagttctcc tatgagttct
                                                                      120
                                                                      180
tcagggctcc agagaaggac atggtgagca tggccgtgct gcccctggcc cgtgcccgtg
                                                                      240
gccacctgtg ggcctattcc tgcgagccgc tgcgacagcc gctgctcaag cgagtccacg
ccaacgtcga cctctgggac atcgcctgcc agatctttgt cgccatcctc cggtacatgg
                                                                      300
gegactacec tteteggeag geetggeeca ecetggaget caeegaeeag atetteacae
                                                                      360
                                                                      420
tggccctgca gcacccggcc ctccaggacg aggtctactg ccagatcctg aagcagctga
cgcacaactc caacaggcac agcgaagagc ggggctggca gctgctgtgg ctgtgcacgg
                                                                      480
gectettece geccageaag gggetgetge eccatgeeca gaagtttata gacaetegga
                                                                      540
                                                                      600
gggggaaget getggeeece gaetgeagee geegaateea gaaggteetg aggaegggge
                                                                      641
cccggaagca gccccgcac catgtggagg tggaggccgc t
```

```
<210> 2357
<211> 479
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(469)
<223> similar to gi211616 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2357
tgatactgga cagaaaggct tgcctggccc tcctggcccc cctggctatg gatcacaggg
                                                                       60
aattaaaggg gaacaaggac cacaaggctt cccaggccca aagggcacaa tgggccatgg
                                                                      120
cctcccaggc cagaagggag agcacggaga acggggcgat gtgggaaaga aaggtgataa
                                                                      180
                                                                      240
aggagaaatt ggagagcctg gatctccagg aaaacagggt ttacaaggac ccaaaggaga
cctaggactt acaaaagaag aaattatcaa acttattaca gaaatatgtg gttgtgggcc
                                                                      300
                                                                      360
caaatgcaaa gagactccac tagagctggt gtttgtgatc gacagctcag aaagcgtggg
                                                                      420
gccagagaac tttcagatca ttaaaaattt tgtgaagact atggctgacc gggttgctct
                                                                      479
ggaccttgcc acggcccgca taggcataat caactatagc cataaggtgg agaaggtgg
```

```
<210> 2358
<211> 417
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(91)
<223> similar to gi1209685 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2358
accgagetgg ggagtagcga gtactccaaa gcccagtgtg atgagtactg tatccaggga 60
gacaactgct tccccatcat ggtacggcc tgcagetggg catctctgac tagccccttg 120
cccaccctga tgtagcagac attcccagct catcagctag gatctctgga tagatctggg atactgatt ggtagtttcc catgcctcac gtgtccattc gttcactcat ccgtttattc 240
agtaaataga cattgaccac cccataccag gcagtgcact aagcgctgag gattccaaag 300
tgaacaggac actgctcctg ctctcaagaa caaagggcca gtgtgggaat tggacaagta 360
aactactgat agcagaatgg gaacactgga gaaggttgtc tacattcccg 417
```

```
<210> 2359
<211> 698
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (514)...(699)
<223> similar to gi3002527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2359
                                                                       60
cctcatttcc tgatcgaaca gcctcacttg tgttgctgtc agtgccagta gggcaggcag
                                                                      120
gaatgcagca gagaggactc gccatcgtgg ccttggctgt ctgtgcggcc ctacatgcct
                                                                      180
caccagocat acttoccatt gootcoaget gttgcacgga ggtttcacat catatttcca
gaaggeteet ggaaagagtg aatatgtgte geatecagag agetgatggg gattgtgaet
                                                                      240
tggctgctgt catccttcat gtcaagcgca gaagaatctg tgtcagcccg cacaaccata
                                                                      300
                                                                      360
ctgttaagca gtggatgaaa gtgcaagctg ccaagaaaaa tggtaaagga aatgtttgcc
                                                                      420
acaggaagaa acaccatggc aagaggaaca gtaacagggc acatcagggg aaacacgaaa
                                                                      480
catacggcca taaaactcct tattagagag tctacagata aatctacaga gacaattcct
                                                                      540
caagtggact tggccatgat tggttagtct cgctctgtca cacaggctgg agggcagtgg
                                                                      600
egggateteg gtteacceca acetttgeet caegggttea agggattete gtgeeteage
cttccaagtg gctgggattg caggtgtgcg ccagtacgcc tggctagttt tagtattttt
                                                                      660
                                                                      698
tgttacagac ggggtttcac catgttggct gggctggt
```

```
<210> 2360
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (22)...(672)
<223> similar to gil212992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2360
agggtcgacc cacgcttccg catgatacat acacctttag aggacactgt ttctgttgaa
                                                                       60
ggtgatattg ttcacctcac aacatccata acaaatgcta aagaggtgaa ttggtatttt
                                                                      120
gagaataaac tggtgccttc agatgaaaag ttcaagtgtt tacaagatca aaatacatat
                                                                      180
                                                                      240
acqctagtca tcgacaaagt aaataccgaa gaccatcaag gagagtatgt ctgtgaggcc
ttgaatgaca gcggaaaaac agcaacttca gccaaactca ctgtagtaaa aagagctgcc
                                                                      300
ccagtgatca agaggaaaat cgaacccctg gaagtagcac tgggccacct agccaaattc
                                                                      360
acctqtgaga tccaaagtgc tcccaatgtc cggttccagt ggtttaaagc tggccgagaa
                                                                      420
atttatgaga gtgacaagtg ttctattcga tcttcaaagt atatctccag ccttgaaatc
                                                                      480
ctgagaaccc aggtggttga ctgcggcgag tatacatgca aagcttccaa tgagtatggc
                                                                      540
agtgtcagct gtacagccac actaactgtg acagaaccac caaagtttgt aaagaaatta
                                                                      600
qaaqcctcca aaattgtgaa agcaggtgac tcttcacgac ttgaatgcaa gatagctgga
                                                                      660
                                                                      692
tccccagaaa tcagagttgt gtgggtccga aa
```

```
<210> 2361
<211> 736
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(738)
<223> similar to gil666689 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2361
                                                                      60
gtttgaacag cccggaaacc cgggcgaccc acgcgtacga actccgcccc catgggggcc
                                                                      120
ccactttttc getttgattc ettetteece caaagaggte ccagetacee cateeteeag
                                                                      180
aagggacccc attgccccaa cagcgactct tctctctaaa aagaccccag caactctagc
                                                                      240
ccccaaaqaq qccctcattc ccccagctat gactgttccc tcccctaaaa agaccccagc
                                                                      300
aattecaace cecaaagaag ceccagetac cecatectec aaagaggeet ceagteceee
                                                                      360
ageagtgact cettecactt acaaagggge cecateceec aaagagetee teattecace
agetgtgact teteetteec ccaaagagge acetacteet ccagetgtga eteeteeate
                                                                      420
                                                                      480
ccccgaaaag ggcccagcaa ctccagccc caaagggact cccacttccc cacctgtgac
teetteetee etcaaagaet eccetaette eccagettet gteacatgta aaatggggge
                                                                      540
                                                                      600
cactgttcct caagcatcta aagggcttcc agcaaagaaa ggccccacag ctctgaaaga
                                                                      660
agtacttgtt gccccagctc cagaaagcac gccaatcatc acagctccca ctcggaaagg
tccacagacc aaaaagagtt ctgctacttc acctcctata tgcccagatc cctcagctaa
                                                                      720
                                                                      736
gaatggttct aaagga
```

```
<210> 2362
<211> 862
```

```
<212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (9)...(856)
     <223> similar to gil61804 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2362
agaaggtcaa ggaagatgag gatgatggtg tgggtgatgg ggatgaggac actgacagtg
                                                                       60
ccatagggag cttccgatat tcttcccgca gtaattccca gaaacctgaa acagacacat
                                                                      120
                                                                      180
geteeteet ggetgtetgt gateactatg caagtggcag cagagttgge aaagagatgg
                                                                      240
ataqcaqtat taataaqtqq ctcaqtqqcc tcaqqacqqa qgaaaaacct cctttccaaa
                                                                      300
gtgactggtc tggaagttcc agagggaagt acaccagatc gtccctgctc agggagacag
agtctaaatc ctccagttac aagttttcca aatcccagtc agaggaacag gacacctcct
                                                                      360
cctaccacga ggcaaatggc aactctgtaa gaagcacttc acggttctca tcttcctcca
                                                                      420
ccagggaggg cagagagatg cacaagttct ccaggtccac gtacaacgag acctcaagtt
                                                                      480
cccgagagga gagcccagag ccctacttct tccgccggac cccagagtcc tcagaaaggg
                                                                      540
aagagtcccc agaaccacag cgcccaaatt gggccaggtc cagggactgg gaagatgtgg
                                                                      600
                                                                      660
aagagtcatc caagtcagac ttctctgaat ttggagccaa gaggaagttc acccagagct
ttatgaggtc tgaagaagag ggagagaaag agaggacaga aatcagagaa gaagggaggt
                                                                      720
ttgcatctgg acggcggtcc cagtatcgga gaagcaatga cagggaggaa gaggaagaaa
                                                                      780
                                                                      840
tggacgatga agccatcatt gctgcttgga gacgccggca agaagaaacc aggtccaagc
                                                                      862
tgcagaaaag gagggagtgt ac
     <210> 2363
     <211> 521
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (17)...(523)
     <223> similar to gi3047189 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2363
cgacacattc gggcagaagc gcatcatctc gccatccttt gataacatca aatattataa
                                                                       60
etttgttata gaagagtaee egetggetge ceagggettt gaetgggage tgtggtgeeg
                                                                      120
ctacctaaat ccccccaagg cctggtggaa gctggagaac tccacagcgc caatcaggag
                                                                      180
                                                                      240
ccctgccctc attggctgct tcattgtgga ccggcagtac ttccaggaga tcggcctgct
                                                                      300
ggacgaaggc atggaagtct acgggggcga gaatgtggag cttgggatca gggtgtggca
                                                                      360
gtgtggcggg agtgtggagg tcctgccctg ctcacggatt gcccacattg agcgagccca
caagccctac acagaggacc tcaccgccca tgtccgcagg aacgctctca gggtggctga
                                                                      420 .
                                                                      480
agtetggatg qatgaattta aaagccaegt etacatggca tggaacatae egcaggagga
                                                                      521
ctcaggaatt gacattgggg acatcactgc gaggaaagct t
```

```
<210> 2364
<211> 612
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(589)
<223> similar to gi407139 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>						
aaatcaacct	ttgagatete	ttcagtccag	gcttccgatg	agggcaatta	cagcgtggtg	60
gtagaaaaca	gtgaagggaa	acaagaagca	gagttcactc	tgactattca	aaaggccagg	120
gtaactgaaa	aggetgtgae	atcaccacca	agagtcaaat	ccccagagcc	tcgggtgaaa	180
tecceagaag	cagttaagtc	tccaaaacqa	gtgaaatctc	cagaaccttc	tcacccgaaa	240
				aagttcagca		300
				cttctaaaga		360
				aggtcacctg		420
aaaaaaaaaa	tasaaassa	tagagettta	cagtttcatt	attcagcaga	togtacctat	480
ggcaagaaac	tyaayyaaaa	cgggcactct	gatgaaggag	aatatottto	tgagatttct	540
gageteaaaa	tcaataacct	Cacigaatet	gaccaaggag	aatatgtttg	cattagacccc	600
		aaccaactta	caatttatgg	agcaagctat	Caccadacac	
gtctgtttat	CC		* -			<b>612</b> ,

```
<210> 2365
<211> 707
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(709)
<223> similar to gi1212992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2365
tettggagce agtgecagae tgeacgtgga gactgteaag ateattaaaa agceaaagga 60
tgtgacagce ttggaaaatg ecactgttge etttgaagtt agtgtteee atgacactgt 120
tecagtaaaa tggttecata agagtgtgga aattaageea agtgacaaac acagactggt etcagaaagg aaagteeaca agetgatget geagaacate teceeeteag atgetggga agacattaca agetgatget geagaacate etgtttgtgg agacattaca 300
tattacaaaa accatgaaaa atategaggt geetgagaee aaaactgeet ettttgagtg
```

```
tgaggtgtcc cacttcaatg tcccttccat gtggctgaag aatggtgtgg aaattgagat 420 gagtgaaaag ttcaagatag ttgtgcaggg aaaactccat cagctgatca tcatgaacac 480 cagcacagac gactcggcag aatacacatt tgtctgtggc aatgaccaag tcagagccac 540 cctgacagtc accccaatca tgattacttc catgagaa gacatcaacg ctgaagaaaa 600 gaatggtgtg gaaatcaaat caactgacaa gtgccagatg agaacca 707
```

```
<210> 2366
<211> 752
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (753)
<223> n = a,t,c or g

<220>
<221> misc_feature
<223> in = a,t,c or g
<220>
<21> misc_feature
<221> misc_feature
<221> misc_feature
<222> (752) ... (463)
<223> similar to gi1017427 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
. <400> 2366
gaaccattac ggcgctgatc caattggctc acttgcagag aaacatttgc gcattgttct
                                                                       60
gttatatgaa ctgcaaccca tttggtagtc aaagaggtgt actgtgcaac tcttccccaa
                                                                      120
attctagaaa gtgagaattg ttaaaattct tgattttaaa cttcaacttt aacactttct
                                                                      180
taaagctgaa gtctctaaga aaactgtngt agaagaaaag agatttgttg ctgaagaaaa
                                                                      240
actatectte geagtteete aaagagtgga agteaegegg caegaaggta tataategga
                                                                      300
agtcagggga taaatgagtt tgtgtgtgtt teetcaaagt etettettet teeacatgtg
                                                                      360
attgtttact ttagaacatg tcctcatcag ttatttctcc ttatgttggt attagaatgt
                                                                      420
                                                                      480
gtotacettt tgtageette tgggaetgag tettttgtgt etatgttgge ettgaateat
tcgaaggaag tggatgagtc ccgaaaatgt tataattttg aaagtggcca cacttggaca
                                                                      540
taactcaaqt atcattctca gtcttgggct gtacttgccc tcatattaaa ttagcttcct
                                                                      600
ccttcttata gtgaggaagt accatgaagc tatgtcctaa gcagatagaa gaacagttat
                                                                      660
                                                                      720
ccatctqtaq tqaccacatq gctgtatata catctgtatc tcagcaggct gaatttaaat
gaaaccttat ctttaaagta tctgcagagg ag
                                                                      752
```

```
<210> 2367
<211> 547
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (20)...(405)
```

## <223> similar to gi2970644 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2367
                                                                       60
tqaatttcat qctqaaaaag aagagatagt gaaaggtgat gtacaacaag caataaaaaa
cctgttctct gaggaaagat ctgtaaagaa aggcatctta attcaggaag atgaaaaagg
                                                                      120
agatattaac atgactatct attgtcttct tcatgaaaat gatggtgaca caattgagcg
                                                                      180
tgaagaagta ataggtggtg atgtcaaacg taccattcat aatttattgt cttccacatc
                                                                      240
aaacaataaa atatctgaaa gggctaaaat tgatgcctct gagagaggaa atgttcagtt
                                                                      300
tttcacaacc tgcatagaag ctggagcttt ggattatctg aaacaactcc acacagagtc
                                                                      360
aaatqaaaca ctgacagcta agaaacaaga aggagagaaa gaaatcattg gtggtgatgt
                                                                      420
tqaaqqtaca aaactgttac tgaagaaaag gcagtctctg gttgaacata ctgttagtga
                                                                      480
aactgacatc atccctggag atgtgcataa cacagttaag gtttttatga ccgagcctca
                                                                      540
                                                                      547
gagtaca
```

```
<210> 2368
<211> 575
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(563)
<223> similar to gi3116214 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2368
aattetegeg tegaceeacg egteegateg agaaageeeg geeetaetat gaggetegge
                                                                       60
ggctgtctaa ggaggttcag caggagacac agaaggcagc gctgcggtgc gagcgggccg
                                                                      120
taagcatgca caacgctgct cgagaaatgg tgtttgtggc tgagcagggc gtcatggctg
                                                                      180
acaagaaccg actggacccc acgtggcagg agatgctgaa ccatgctacc tgcaaggtga
                                                                      240
atgaggegga ggaagagegg ettetaggtg agegggagea ceagegagtg aeteggetgt
                                                                      300
                                                                      360
gccaacaggc tgaggctcgg gtccaagccc tgcagaagac cctccggagg gccatcggca
agageegeee etaetttgag eteaaggeee agtteageea gateetggag gageacaagg
                                                                      420
ccaaggtgac agaactggag cagcaggtag ctcaggccaa gacgcgctac tccgtggccc
                                                                      480
                                                                      540
ttcgtaacct ggagcagatc agcgagcaga ttcacgcacg gcgccgcggg ggtctgcctc
cccacccct gggccctcgg tgctcctccc ccgtg
                                                                      575
```

```
<210> 2369
<211> 606
<212> DNA
```

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (2)...(608)
<223> similar to gi3970966 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2369
                                                                       60
taatatcaac gaagccatgg ctacgagggc taatgtgggg aaaaggaaaa acataaccac
tggggcatct gcagcatccc agactcagat gcctacgggc cagacaggca actgtgagtc
                                                                      120
                                                                      180
ccctttaggg agcaaggagg acctcaactc caaagagaac ctggatgccg atgagggaga
tgggaaaagt aacgacctcg tccttagttg tccttacttt agaaatgaga ctggagggga
                                                                      240
                                                                      300
aggegacagg eggattgege tetetegage caacteatee tettteagtt etggggaaag
                                                                      360
ctgctctttc gaatcgtcac tcagctctca ctgcacaaat gcaggtgtct ccgtcttgga
                                                                      420
aqtqcccaga gaaaaccagc ctattcacag ggagaaagtg aagcgctaca tcatagaaca
                                                                      480
cattgacctt ggggcctatt attaccgcaa attcttctat gggaaagagc accaaaacta
ctttggaata gatgaaaacc ttggtccagt agcagtcagc atccggagag agaaggtgga
                                                                      540
agatgccaag gagaaagaag gatcccagtt caactacagg gtggctttca ggacaagtga
                                                                      600
                                                                      606
gcttac
```

```
<210> 2370
<211> 675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (157)...(649)
<223> similar to gi4096697 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2370
cagggtcgag gcctgtaatt ctccccagcc atccatcgta catctctcca acaaacccag
                                                                       60
                                                                      120
atatgtgggc tcctagactt actccgatca tgtaaatgtc atcaagagaa gctccttctg
ccaacatctg gtcaataaat tccttcaaga ccatggctgg ggagaattac aggcctcgac
                                                                      180
cctgcaggcc ctttattcaa cgggaaacct caccaagaca gattagatcc cagtgatgcg
                                                                      240
cagtttgttg atgtcatcca ttccgacact gatgcactgg gctacaagga gccattagga
                                                                      300
                                                                      360
aacatagact tctacccaaa tggaggattg gatcaacctg gctgccccaa aacaatattg
ggaggatttc agtattttaa atgtgaccac cagaggtctg tatacctgta cctgtcttcc
                                                                      420
ctgagagaga gctgcaccat cactgcgtat ccctgtgact cctaccagga ttataggaat
                                                                      480
                                                                      540
ggcaagtgtg teagetgegg caegteacaa aaagagteet gteeeettet gggetattat
gctgataatt ggaaagacca tctaaggggg aaagatcctc caatgacgaa ggcattcttt
                                                                      600
                                                                      660
gacacagoty aggagagooc attotycaty tatoattact ttgtggatat tataacatgg
                                                                      675
aacaagaatg taaga
```

```
<210> 2371
<211> 1977
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (266)...(857)
<223> similar to gi9916 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2371
gaatttccgg gcgaccccgc gtccgcccac gcgtccggaa ctgaggacag ggacagaggt
                                                                     60
                                                                    120
tatattatgg taccttgact ggcgagcact tatgaagaga aagaggatga aggccaacat
taagctggtt ggttcaggat ttccccttcc ctcctctgat ttggatgact ctctcactga
                                                                    180
                                                                    240
agagatagat gaaaagattg gattccgaaa tgatgcaaat tttgactggc aaaatgtggc
agatttcagg gatgcaggtg gatccttaac tgaggtcaag gtggaagagg aagaaaggga
                                                                    300
tecgcagagt cetgaatttg aaattgagga ggaggaagaa atgttgteat eegteatace
                                                                    360
                                                                    420
agattccagg agagaaaatg aacttcccga tttcccccac attgatgagt tttttaccct
taactcaaca ccatctagat ctgcatatga tgagcctcat ttgctcgtaa atattgagaa
                                                                    480
                                                                    540
acagaaacta gagttggaaa aacgacgact ggatatcgag gccgaaaggc tgcaggtaga
                                                                    600
aaaggaacgc ctacaaatcg agaaagagag gctgcggcat ttagacatgg aacatgagcg
                                                                    660
getteageta gagaaggage ggetgeagat tgaaagagaa aagttgaggt tacagatagt
caattcagag aaaccgtcct tggaaaatga acttggtcaa ggagaaaaat ccatgcttca
                                                                    720
                                                                    780
accacaggac atagaaacag agaagttaaa acttgagcga gaacgcttgc aactggaaaa
ggataggetg cagtttttga agtttgaate tgagaagetg cagattgaaa aggaaegett
                                                                    840
                                                                    900
acaggtagag aaagacagac ttcgaattca gaaagaagga cacttgcagt gatttttcca
                                                                    960
ggcttccatt tagcaaatgt ttgaaaactc tagatttttc tcatatcagg tgatataatg
                                                                   1020
atggttgctg gattagctgt ggtttcttgt ctaatgtcag tgttcagtag gaaaaagtta
tatgtggata actgtatgcc taagtagtat ataaaagctg tgccctagcg taaacagtat
                                                                   1080
agcagaaact tactgtgctg gactctttac cttataatat tacatagagt cttgtattgt
                                                                   1140
                                                                   1200
ctgtgtaccc agagtttaca attatgtcca tataaaattc tagcccagaa gttctcatct
                                                                   1260
ggggtagatt ttggccttca gaagaccaat ttggtgatgt ctggagacat gttgggttgt
caaaactggg gtggggaaaa ggttgctact gtgcaatgca tacctcctca acaccccccc
                                                                   1320
acactcagta aagaattttc caacccaaaa tatcattagt cctgaggttg agaaaccctg
                                                                   1380
tcctagccta actgtgtacc tctatagcta tgttttatag ttttagaata ttaaaacctc
                                                                   1440
agatatttat gtgggtaggt acttaaatgg ccaaaaactt taactatgaa atgttactgt
                                                                   1500
gtagtatatt gaatatagga agtgatgaag attataggta ttttattccc atgtttccat
                                                                   1560
ctataaatag ccttctcaga ttcagaaaac aatacagaga acatcagaaa ttttctaaaa
                                                                   1620
tgggtcactt tgaaaagaat tctttttctc actattaatg ctttagaagc aagacgcaat
                                                                   1680
tttaaagctt tagttccttt tctttcagtc attgtcttag tttgggtaca aaaatgtcat
                                                                   1740
                                                                   1800
ttcagtaatg tactgaaatc ttataagtga atagttgaag ctagtaaaaa tgataccagt
ataaaaatgg tacttgtagt ccatgagctt gaacccaatg actgattgtt tgacttttaa
                                                                   1860
                                                                   1920
aataagtaat agcagccatt tgggagtagg gggtaggtgg ggaagatgta ctccgtatca
                                                                   1977
```

```
<210> 2372 <211> 1094
```

<sup>&</sup>lt;212> DNA

```
<220>
     <221> misc_feature
     <222> (154)...(330)
     <223> similar to gi3850177 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2372
atgagagata ggcagtaagg acagecetgt gagteegtae tgcaggtgtg gggeecagtt
                                                                        60
                                                                       120
qcccttccgg cctaaatggg cactttgcat tttcctagaa aacattacac cccttgcttg
ggctcctgcc aagtctgact actgcttttt tttgcagagg tgaacaagaa ggaggtggtg
                                                                       180
                                                                       240
gaggctgtga ccattgtaga gacaccaccc atggtggttg tgggcattgt gggctacgtg
gaaacccctc gaggcctccg gaccttcaag actgtctttg ctgagcacat cagtgatgaa
                                                                       300
                                                                       360
tqcaaqaqqc gtttctataa gaattggtaa gggaggaggc catgcagtcc ctagcttggg
agettgggag etggagagea gggageageg tgtgeatggt tteteagete tgtageagge
                                                                       420
                                                                       480
agggagetge tgtettgggt ttagtttgee tetegaacag aaaaatacet gggateagae
ttggccagcc atctggtttc agccggaagc taacaccctc attctgagtc caggctagtg
                                                                       540
ggtggtggct gaggacccag ttggttgagg agtccaacta gaaaccagga gaggtagcag
                                                                       600
                                                                       660
aataattaaa cccctatagg ggtggcaagg gcctctggcc ctgggtggaa tgtcccattt
cctccatcac tgagtgggct tccccaaggc agaaaggttt gtcccggagc aagaattttg
                                                                       720
                                                                       780
tttgaatgeg tgtaacttaa attaacettg tggaeetetg etcageteeg eteggetetg
                                                                       840
cccgatgage tecatecagg etccgettge eggtggaaaa ggeteettag aageeggeaa
                                                                       900
tgagctccat coccaegegg tgccagtgtg cetteegete acceetegga ggggtgatga
aggeotgeae etggteeet ecceaactet getetgetee tgaaggeata aatetaagaa
                                                                       960
gaaggeettt accaagtaet geaagaaatg geaggatgag gatggeaaga ageagetgga
                                                                      1020
                                                                      1080
gaaggactic agcagcatga agaagtactg ccaagtcatc cgtgtcattg cccacaccca
                                                                      1094
gatgcgcctg cttc
     <210> 2373
     <211> 384
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(385)
     \langle 223 \rangle n = a,t,c or g
     <220>
     <221> misc feature
     <222> (113)...(332)
     <223> similar to gi1002425 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
```

<213> Homo sapiens

```
ggtatgtgtg ggtctgggca gggcagtaga ggtcagaagg gctggcctgg agtgctcact
                                                                      120
ccatccccta ccttttggct tctgtctacc cctgcaaggc tggctcagaa ggttctgggg
                                                                      180
qaqqagttct tttctcagtc tcgcccctca ggtgctgatc ccagcggcct gtgtgtggat
                                                                      240
tgtttctgcc tttgtgggat tcagtgttat cccccaggaa ctgtctgccc ccaccaaggc
                                                                      300
                                                                      360 -
accatggatt tggctgcctc acccaggtag gntttctcct agtcctccat tctcttgttc
                                                                      384
aaataaaggt atctatttga actc
     <210> 2374
     <211> 77
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(69)
     <223> similar to gi3758795 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2374
ctccgcctcc caaagtactg ggattacagg tgtgagccac cgtgcccagc caagaccttg
tatctttaaa aaaaaaa
     <210> 2375
     <211> 697
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (25)...(683)
     <223> similar to gi488555 in the genepept database release 114,
     Run with FASTXY 3.3t00, default parameters
     <400> 2375
                                                                        60
cccctgggag tgtgctggaa ttcgaaagct tttgattgca gtgactctgg gaaatccttc
attaatcatt cacaccttca gggacattta agaactcaca atggagaaag tctccatgaa
                                                                       120
tggaaggaat gtgggagagg ctttattcac tccacagacc ttgctgtgcg tatacaaact
                                                                       180
                                                                       240
cacaggtcag aaaaacccta caaatgtaag gaatgtggaa aaggatttag atattctgca
                                                                       300
taccttaata ttcacatggg aacccacact ggagacaatc cctatgagtg taaggagtgt
gggaaagcct tcaccaggtc ttgtcaactt actcagcaca gaaaaactca cactggagag
                                                                       360
aaaccttata aatgtaagga ttgtgggaga gccttcactg tttcctcttg cttaagtcaa
                                                                       420
catatgaaaa tccatgtggg tgagaagcct tatgaatgca aggaatgtgg gatagccttc
                                                                       480
 actagatett eteaaettae tgaacattta aaaaeteaea etgeaaagga teeetttgaa
                                                                       540
```

```
tgtaagatat gtggaaaatc ctttagaaat tcctcatgcc tcagtgatca ctttcgaatt 600 cacactggaa taaaacccta taaatgtaag gattgtggga aagccttcac tcagaactca 660 qaccttacta agcatgcacg gaactcacag tggagga 697
```

```
<210> 2376
<211> 828
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (375)...(831)
<223> similar to gi5758310 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2376
caggatctgt.gaggatttca tttggataca tgtcgacgct ggatgatgtc caggcctttc
                                                                       60
ttaggttcat catagacact cgcctgcact catcagggga ctggcctgtc cctcaggccc
                                                                      120
                                                                      180
atgctgacac cggggagact ggagccccat cagcagacag ccaggctgat gttatacctg
ctgtcatggg cagacgtagc ctctcgcctc aggaagatgc cctcacaggc tccagggttt
                                                                      240
                                                                      300
ggaacaactc gtctactgtg aatgctgtgc ctgtggcccc acctgtgtgt gatgtcgcca
gaacccagcc gactccttca gagaaagctg caggagtcct ggagggggcc cttgggccac
                                                                      360
                                                                      420
atgitigicae taacetttat etetateeaa teaaateetg tgetgeatti gaggitgaeea
ggtggcctgt aggaaaccaa gggctgctat atgaccggag ctggatggtt gtgaatcaca
                                                                      480
atggtgtttg cctgagtcag aagcaggaac cccggctctg cctgatccag cccttcatcg
                                                                      540
                                                                      600
acttgcggca aaggatcatg gtcatcaaag ccaaagggat ggagcctata gaggtgcctc
                                                                      660
ttgaggaaaa tagtgaacgg actcagattc gccaaagcag ggtctgtgct gacagagtaa
                                                                      720
gtacttatga ttgtggagaa aaaatttcaa gctggttgtc aacatttttt ggccgtcctt
                                                                      780
qtcatttqat caaacaaaqt tcaaactctc aaaggaatgc aaagaagaaa catggaaaag
                                                                      828
atcaacttcc tggtacaatg gccacccttt ctctggtgaa tgaggcac
```

```
<210> 2377
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(389)
<223> similar to gi498721 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2377

```
acataccata gagaagcett atgaatgtaa ggaatgttta aagteetttt tatateeete 60 aagaeteaet egteateaga aaatteatae tggeaagaaa eeetttgaat gtaaggaatg 120 tggaaaaceet teattegg geteagaeet taetegaeat eacagaatte acaetggtga 180 gaaaceetat gaatgtaagg aatgtgggaa ageetttagt agtggtteaa aeetteaeteg 240 acateagga atteacaeag gtgagaagee ttatgaatge aaagaatgeg ggaaggeett tagtaagtgge teaaacttta tteaacatea gagaatteat aetggggaaa aaceetatga 360 atgtaaggaa tgtggeaatg eetttagtea gag
```

```
<210> 2378
<211> 769
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(768)
<223> similar to gi5640021 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2378
attttttggt gtgcatgatg agacttgtca agtgattgga tgtgaaaaag agaaaataga
                                                                      60
ccttacgagc ttgagggctt ctattgatgg ctgtattaag aagctacctg tccatcattt
                                                                      120
ctgcacacag aggcctgaga taaaatatgt ccttaacttc cttgaagtgc atgataaggg
                                                                      180
ggccctccgt ggatatgtct gtgcaatcaa ggtggagaaa ttctgctgtg cggtgtttgc
                                                                      240
caaagtgcct agttcctggc aggtgaagga caaccgtgtg agacaattgc ccacaagaga
                                                                      300
atggactgct tggatgatgg aagctgaccc agacctttcc aggtgtcctg agatggttct
                                                                      360
ccagttgagt ttgtcatctg ccacgccccg cagcaagcct gtgtgcattc ataagaattc
                                                                      420
ggaatgtctg aaagagcagc agaaacgcta ctttccagta ttttcagaca gagtggtata
                                                                      480
tactccagaa agcctctaca aggaactctt ctcacaacat aaaggactca gagacttaat
                                                                      540
aaatacagaa atgcgccctt tctctcaagg aatattgatt ttttctcaaa gctgggctgt
                                                                      600
ggatttaggt ctgcaagaga agcagggagt catctgtgat gctcttctaa tttcccagaa
                                                                      660
caacaccct attetetaca ccatetteag caagtgggat geggggtgea agggetatte
                                                                      720
tatgatagtt gcctattctt tgaagcagaa gctggtgaac aaaggcggc
                                                                      769
```

```
<210> 2379
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (73)...(552)
<223> similar to gi2621120 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2379
gtgtgctgga attcgcaggt ggcacacaaa gctgagatat tgtcaccttt gggagcactg
                                                                       60
tattacaaca ctggccgata cgaagaggct ttgcagattt accaggaagc tgcagcactt
                                                                      120
cageettete agagggaget eegettggea etggeteagg ttttggeegt gatgggteag
                                                                      180
acaaaagaag ctgaaaagat gaccaatcac attgtgtcag aggagaccgg atgccttgaa
                                                                      240
                                                                      300
tgctatcgcc tcttgtcagc catctatagc aagcaggaga accacgacaa ggcacttgat
gctatagaca aggctctcca gctgaaacca aaggacccaa aagtcatttc tgaacttttt
                                                                      360
                                                                      420
ttcacaaaaq qaaaccaatt aagagagcag aaccttctcg acaaagcttt tgagagctat
                                                                      480
agagtggctg tgcaactaaa cccagaccaa gcacaggcct ggatgaacat gggtggcatc
caacacatca agggaaaata tgtgtctgca agagcttatt atgagagagc cttacagctg
                                                                      540
gttccagaca gcaaactgct gaaggaaaat cttgccaaat tggatcgcct agaaaaacga
                                                                      600
ttacaagaag ttcgagaaaa ggatcaaaca tagcaccacc gtctgaccca acctcatagt
                                                                      660
                                                                      720
ataatgtggt gcctctgaaa ggggagtgat ggaagccttg ctttcacatc agcaggggca
                                                                      780
caactaatga gattttctct cattccgagt tcagggtgac acattttggg acatctgctg
                                                                      782
gt
```

```
<210> 2380
<211> 875
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(870)
<223> similar to gi557822 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2380
tragaaacet carregatete tearttaret ttaaratrag aaacttette agtetetee
                                                                       60
atgettetea cetetgagae caettttgta tecagtttge caetteette agaaacatet
                                                                      120
ccaatttcca actettccat aaatgagaga atggcacatc agcaaagaaa gtcacettct
                                                                      180
                                                                      240
gtatctgaag agccactctc cccgcagaaa gatgagtctt ccgccactgc caaacctctg
ggagagaacc ttacctccca gcagaagaat ctgtctaata ctcccgaacc catcataatg
                                                                      300
                                                                      360
agttcttctt ccattgctcc tgaagcattt ccgtctgaag atttgcacaa taagaccctg
                                                                      420
agtcagcaaa cctgtaaatc acatgttgac actgagaagc cctaccctgc ttcaattcca
                                                                      480
quacttgctt ctactgaaat gataaaagtt aaaaatcata gcgtcctgca aagaacagaa
aaaaaagtgt taccttcacc attggaatta tctgtctttt ctgaagggac agataataag
                                                                      540
                                                                      600
ggaaatgagc ttccatctgc taaattacag gacaagcaat atatctcatc agtggataag
                                                                      660
gctccatttt cagaaggctc tagaaataaa acacataagc aagggagtac acagagtcgg
ttagaaacct cacatacttc caagtcatca gagccctcca agtcacctga tgggataaga
                                                                      720
aatgaaagta gagattcaga gatatcaaag agaaaaactg cagagcaaca cagctttgga
                                                                      780
                                                                      840
atctgtaagg aaaagagagc taggatagaa gatgatcagt caacccggaa catatcatct
                                                                      875
agcageceae etgagaaaga acageeteee agaga
```

```
<210> 2381
     <211> 497
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (23)...(499)
     <223> similar to gi3638957 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 2381
atgtgcggtg gcatttcccg gctcgccact gcccttcaca ggggcattct gccccaggga
                                                                       60
                                                                      120
gettgtetat geceetggtg cetgteteet cacetgtgae ageceeageg ceaateacte
ctgccctgca ggcagtactg atggctgtgt ctgtccacca ggcacggtgc tgctggacga
                                                                      180
                                                                       240
qcqctqtqtg cctcctgacc tctgtccctg ccgtcacagt gggcagtggt acctgcccaa
cgccaccatc caggaagact gcaacgtttg cgtgtgccgg ggccggcagt ggcactgcac
                                                                       300
aggccagcgg cgcagtgggc ggtgccaggc atcaagcgcc ccccactatg tgacatttga
                                                                       360
                                                                       420
cggactggcc ttcacctatc ctggggcctg cgagtatctg ctggtgcgag aggccagtgg
cctattcaca gtctctgccc agaacctgcc ctgtgggggc agcggtctca cctgcaccaa
                                                                       480
                                                                       497
agcgctttcc gtgcgtt
     <210> 2382
     <211> 1496
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (6)...(1496)
     <223> similar to gi3372657 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2382
                                                                        60
```

```
attogtoatt gcaaaatcca ctccttagca cttctaaaag taccaggaac tatgcaaaag
                                                                      120
ctagtagaaa tgtagaagaa tctgaaaaag ggtctttgaa aattgagttt caagtgcacg
cactagaaga tgaaagtgat ggagagacat ctgacacgga aaagcatgga acaaaaattg
                                                                      180
                                                                      240
gaaccctagg ttctgcaact acagaattgt tatctggcag cactcgaact gctgatgaga
                                                                      300
aagaggagga tgaccgcatc ctgaagactt ctagagagct atccacttcc ccatgtaatc
ccatagttcg ccagaaagaa tctgaattac aaatgacatc tgcagccagt ccacaccctg
                                                                      360
gcttattgct agacttgaaa acctctctag aagatgcaca ggttgatgac tctattaaat
                                                                      420
ctcatgtatc ttatgaaaca gaaggetttg agagtgetag ettggatgea gagetteaaa
                                                                      480
aaagtgacat cagtcagccc tcgggccctc tcctgcctga actaagtaag cttggctttc
                                                                      540
                                                                      600
ctgcctcact tcagagggat ctaacccggc acattagttt gaagagcaaa actggagtac
accttectga gecaaacete aatagtgeee geegeatteg caatattage ggteaeegaa
                                                                      660
agagtgagac agagaaggag tctgggctca agccaaccct acggcagatt ctaaatgcat
                                                                      720
                                                                      780
ctcggagaaa tgtcaactgg gaacaggtca ttcagcaagt aaccaagaaa aagcaagagc
```

```
840
tgggcaaagg cttacccagg tttggcatag aaatggtacc ccttgttcaa aatgaacaag
                                                                      900
aagccttaga tttggatggg gaacctgatc tgtccagtct agaaggattc cagtgggaag
                                                                      960
gtgtttccat ttcctcgtcc cctggcttgg caagaaagcg aagcctttct gagagcagcg
                                                                     1020
tgatcatgga cagageteet tetgtgtata gettetteag tgaggaaggt acaggeaaag
                                                                     1080
aaaatgagcc ccagcagatg gtttcaccta gtaactcatt gagggctgga cagagccaga
                                                                     1140
aagcaaccat gcacctcaaa caagaagtga cacctcgggc tgcctccctc cgaacaggtg
                                                                     1200
aaagggctga aaatgttgct acccaaaggc gacatagtgc acaattatcc tctgaccata
                                                                     1260
taatacettt gatgcatttg gcaaaagact tgaacageca ggagaggtet ataceacegt
                                                                     1320
cagagaatca gaattcccag gagagtaatg gagagggaaa ctgtctgtca tcaagcgcat
cctcagccct tgcgatctcc agtttagcgg atgcagccac agatagtagc tgtacctctg
                                                                     1380
gtgctgaaca aaatgatggc caaagtatta gaàagaaacg aagagccact ggagatggat
                                                                     1440
cttctcctga actcccaagt cttgagagaa aaaataaaag aaggaaaatt aaaaaa
                                                                     1496
```

```
<210> 2383
<211> 1808
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(697)
<223> similar to gi4378885 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2383
                                                                      60
tgcagagaag aagaaaaaac aagaagaaga gaaattggcc cagttaaagg cccaagagga
                                                                      120
ggatcgtcag aaaagggagg cagaagaaaa ggaggcacag cttgaaagaa aacgagaaga
                                                                      180
qaaqaqactg aagaaaatga aagaacttga gaagcagaag agaattaaga ggaaccagca
                                                                      240
gctggaagca atagccaaag aacattatga aagggtcttg ctaaggaaaa aaggtctaga
                                                                      300
gccttggaag agattgagaa tgcaaagcaa acaaaacatc caggtggcag aagaacatta
ctctttgttc ctgcagagga aatacatgct gacgtggttc cagcgtagtc aggaaagtct
                                                                      360
                                                                      420
ggctagaaag atggcccagg ctgatcaatt ttattcccaa atactgctta agagagtcat
                                                                      480
ccagagetgg ctacagtacg tgattgatet gcaggaagaa gtaagaaaat tttgtgtaca
                                                                      540
ttttcttcaa aagaagattt tcagggcctg gtttaacatg gtcagggagg tgaagatcga
                                                                      600
ttctcagggc aagcatgaga ttgcagcgga gcacagtgac aggaggatcc tctggatcac
                                                                      660
ccttcggaca tggaagaagt ttgtaaaatt tatgaaagag gaaagagtaa aagaagaaag
                                                                      720
gcgacagcaa cttcgtagga aggtagttga aattcttcca gacttccagg tacctggaag
                                                                      780
gtaccacgag ctatatcagc aatcagatac ttggtccttg agtaagacaa gtctggtgaa
                                                                      840
cgaatgagcc agattagtgt aatatttagg acaggaagct cgactagtct gtatgtgtgt
                                                                      900
tatctccacc cacccacaca catacataca tacacctggt ttattctcta cgagctactt
                                                                      960
cttagatcaa aggaattatt ttgagaattt ttattccctt ctttgacttt tcctggattg
                                                                     1020
ctagtcattc actatagcat ttatcacagt gggatcatcc aaaggaacat tctagagatc
                                                                     1080
gtctgttcaa atatatccta tatattttta gcatagtaaa ctttaaaaaag gacaagtgtt
                                                                     1140
tgcctgactg agcctgtgaa gaaaatgtgt ccgtatagca cgacaggagt tgctgatgtg
                                                                     1200
accttaatga aacagaaata aacaggggtg agtgctcgga aaggaagggc gggccaaggc
                                                                     1260
actcagcett ctagtgcagt agegtcagtg acacgcacce caccagacet cgtccacttt
                                                                     1320
caccacccct gaaggcagac catgtatgaa aaggttctct acacagctgc tgcagaggac
                                                                     1380
agcagcttat cctgatttca gagaaactga ggcaccagag atgcttctct tccgtgcacc
                                                                     1440
ttgataagca tgaaggacat tccaaaaggt agtaactcta tcatgacagt ccagcaattc
                                                                     1500
attaaattat ctgttcatgc tcccacctgc aactgctgaa taatacactc agtgtgtctt
```

```
ctagtactca gctcagtttg atctagatat tgagatacct atcttgaatt caaagaatgt 1560 cttcatcttt aagatgctat aaagactgat aaaatgctct cttctatgaa ttgtgttaga 1620 gaattacctg ctagaaaaat aatttttcat tataaaatac acatttatta tataacaaat 1680 tcaagtagtc cataaatgca tatggtaaaa tgagaaagtc ctgtgcagtc ctgagatgat 1740 tactcttatt tggtgtgctg aaaatttgag ttgacaaaat aaaattctgt ggtttttaa 1800 gtgaaaaa
```

```
<210> 2384
<211> 1092
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (423)...(660)
<223> similar to gi4185567 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2384
                                                                       60
agaaaaacaa teattgtgtg agtegetgta acteeettag etgeatatta geeeaggaag
aagaacagta totacagagt ggagaccagc aactgacccg acatgtgttg ctgtgtttac
                                                                      120
                                                                      180
ttotoatoat tygootytto gotaatottt coagttyttt atgytygota ttoaaccaag
agcctggaag actttatgtt gagttacagt ttttctgtgc cgtgtttaac tttggtcagg
                                                                      240
                                                                      300
gatttatttc ctttggaatc tttggattag ataaacattt aatcatcctg cctttcaaaa
gaagacttga attcctatgg aacaataaag acacagcaga aaacagggat tctcctgttt
                                                                      360
cagaggaaat aaaaatgacc tgtcaacaat ttatccatta tcaccgtgac ctctgtatcc
                                                                      420
gaaacattgt caaagaaaga aggtgtggtg caaagacttc tgctggaact ttctgtggct
                                                                      480
                                                                      540
gtgacctggt gagctggcta attgaagteg gccttgcctc cgaccgtggt gaagctgtga
                                                                      600
tatacggaga caggctggta caagggggag tcatccaaca tattaccaac gagtatgaat
tccgggatga gtacttgttt tacagatttc ttcaaaagag tcctgaacag agtcctcctg
                                                                      660
                                                                      720
ctattaatgc aaacactctc caacaggaaa gatataaaga aattgagcat tcatcccac
cctcacattc ccctaagacc taaattatgc aggggagaac cctacatgga atcatattct
                                                                      780
                                                                      840
agcegegtat teattagttt ttagetgggt gacettggge aagttaacag aggeaacete
tetgageete agttgtetet tetgtaaaat gtgaaaagat gtgeteeeae cacatgegea
                                                                      900
                                                                      960
gggtctgtga ttttacatgt atgtaaaaca cataggaagc tgacttagga aaaagagaaa
                                                                     1020
accaaattaa agttctgata atgaatataa tatagtcatc ctttagtatc caaggggatt
ggttecagga etectgaaga teccaaaate tgaggataet caagteeett atataaaatg
                                                                     1080
                                                                     1092
gtgtaggccg gg
```

```
<210> 2385
<211> 1773
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (14)...(1775)
<223> similar to gi5081610 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```
<400> 2385
cccacgcgta cggccaggtg ggagtgaaga ttgtgatgtg ttggaggcca cccagcccct
                                                                       60
ggaacagggg ttcctgcagc agctggagga gggccccagc agttctggac agcatcagcc
                                                                      120
                                                                      180
acagcaggag gaggaggaat caaagccaga accagagagg tetggeetca gttggagcaa
ccgggagaag gcaaagcagg cattcaagga actgctgagg gacaaggctg tcccctccaa
                                                                      240
                                                                      300
tgcctcatgg gaacaggcca tgaagatggt ggtcaccgac ccccgttaca gtgccttgcc
taaactgagt gagaaaaagc aggcattcaa tgcctacaag gcgcagcggg agaaggagga
                                                                      360
gaaggaggag gcccggctaa gggccaaaga ggccaagcag accctgcagc atttcctgga
                                                                      420
gcagcatgaa cgcatgacct ccaccaccg ctaccggcgg gcagaacaga cctttgggga
                                                                      480
                                                                      540
gctggaggtc tgggctgtgg tccctgagag ggatcgaaaa gaggtttatg atgatgtcct
cttcttcctg gccaagaagg agaaggaaca ggccaagcag ctccggcgcc gcaatatcca
                                                                      600
ggccctaaag agcatcctgg atgggatgag tagtgtcaac ttccaaacca cgtggtccca
                                                                      660
                                                                      720
ggcccagcag tacctcatgg ataaccccag ctttgctcag gaccatcagc tgcagaacat
                                                                      780
ggacaaggaa gatgcactga tctgttttga ggagcacatc cgagctttgg agagggaaga
ggaggaggaa cgggagcggg cccggcttcg ggagcgacgc caacaacgca agaatcggga
                                                                     - 840
                                                                      900
ggccttccag accttcctgg acgagetgca tgagacaggg cagetgcact ctatgtccac
ctggatggag ctatatccag cagtcagcac tgatgtccgc tttgccaaca tgctgggcca
                                                                      960
                                                                     1020
gccgggctcc acccctctgg acttattcaa gttctatgtg gaggagttga aggcacgatt
ccatgatgaa aagaagatca ttaaggacat ccttaaggac cggggcttct gcgtggaggt
                                                                     1080
                                                                     1140
gaacacggcc tttgaggact tcgcccacgt cataagcttt gacaagaggg ctgccgcact
ggacgcaggc aacatcaagc tgaccttcaa tagtctgctg gagaaagcag aggcacggga
                                                                     1200
                                                                     1260
gagggagcgg gagaaggagg aggcacgcag gatgcggcgc agggaagctg cctttcgaag
catgctgagg caggctgtgc ctgctctgga gctaggcact gcctgggaag aggtccgtga
                                                                     1320
gegttttgtg tgtgactcag cetttgagca gatcaccetg gagteggage ggateegget
                                                                     1380
                                                                     1440
etteegggag tteetacagg tgetggagae tgaatgeeag caceteeaca ccaaaggeeg
aaagcatggc aggaaaggca agaagcacca tcacaagcgt tcccactcac cctcaggctc
                                                                     1500
tgagtcagaa gaagaggagc tgcccccacc atctctccgg ccccccaagc ggaggaggcg
                                                                     1560
gaacccctca gagtcaggct ctgagccctc ttcctcactt gattcagttg aaagtggggg
                                                                     1620
                                                                     1680
tgctgccctt ggaggacggg gctccccttc ctcccatctt cttggagcag atcatggcct
tcggaaagcc aagaaaccaa aaaagaaaac taagaagaga agacacaagt cgaatagtcc
                                                                     1740
                                                                     1773
tgagagtgag acagaccctg aggagaaagc tgg
```

```
<210> 2386
<211> 1169
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1170)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (457)...(774)
<223> similar to gi4539001 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

```
<400> 2386
                                                                       60
tatgaggata ctctgttcgt aagctcccgg tgaattttgt tccacagact cggaagaaag
qttqgataag agttcactgg agattgacaa gtactcggga tagtgaaaag ccggagttgg
                                                                      120
aacatggata gccgcttgca ggagatccgg gagcggcaga agttacggcg acagctcctc
                                                                      180
                                                                      240
gcgcagcagt tgggagctga aagtgccgac agcattggtg ccgtgttaaa tagcaaagat
gagcagagag aaattgctga aacaagagaa acttgcaggg cttcctatga tacctctgct
                                                                      300
ccaaatgcaa aacgtaagta tctggatgaa ggagagacag atgaagacaa aatggaagaa
                                                                      360
tataaggatg aactagaaat gcaacaggat gaagaaaatt tgccatat'ga agaagagatt
                                                                      420
tacaaagatt ctagtacttt tcttaaggga acacagagct taaatcccca taatgattac
                                                                      480
tgccaacatt ttgtagacac tggacataga cctcagaatt tcatcaggga tgtaggttta
                                                                      540
gctgacagat ttgaagaata tcctaaactg agggagctca tcaggctaaa ggatgagtta
                                                                      600
atagctaaat ctaacactcc tcccatgtac ttacaagccg atatagaagc ctttgacatc
                                                                      660
                                                                      720
agagaactaa cacccaaatt tgatgtgatt cttctggaac cccctttaga agaatattac
agagaaactg gcatcactgc taatgaaaaa tgctggactt gggatgatgt atgatcaaac
                                                                      780
tttctacatt gtaatgaatt atttatttc aaatgaatat gtttatttgg tcagaaagtg
                                                                      840
agataataaa tatcatccct acttttgtag ggattataaa tgtagattta tagtgtaaat
                                                                      900
tatagctgaa ggtccaaggt acattgacta atattacatt atctttaatt tgagccttct
                                                                      960
tttcaaggca aaaattgagc agatagcaag tgaataggct gtagaagact taaaaattttg
                                                                     1020
gtcttagagt ccttggctat atagttagag aagtttaaaa acagatggaa tgattcataa
                                                                     1080
                                                                     1140
ttcattctgc atttgattag tttcagtaaa catcagagct tgnttatgta tataaaaaca -
                                                                     1169
tgatttctac tctttaaaca gcttacagt
```

```
<210> 2387
<211> 499
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (307)...(422)
<223> similar to gi2337883 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2387
aatgctcctt tggtaagaac aattatatgg ctaaattaat ctcagccacc tagttctaaa
                                                                       60
                                                                      120
tgtagagcaa ggattgcaag ggattattta gacaagttca tcaattaagt aaaattagac
atgaaggata taagaatgaa tgataaagca agctaaaaat ggtgaaacaa gggatgtctg
                                                                      180
                                                                      240
attggaagta gaagatattt atttaggttc taggacatta gtatcagtga ggacagtaat
                                                                      300
ttcctgcttg tttgtatttc agtgatcaca tacacttctt tacctgataa cgtctctctt
ctctaggctg gttttggtta cggcttgcca atttctcgtc tgtatgccaa gtactttcaa
                                                                      360
ggagatetga atetetaete tttateagga tatggaacag atgetateat etaettaaag
                                                                      420
gtatcccttg aattcaatag caaaatcctg tttctaaaac cattgctcct tttatagccc
                                                                      480
                                                                      499
tgagtgctat ggtccggag
```

```
<210> 2388
<211> 824
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(683)
<223> similar to gi2879925 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2388
                                                                       60
ataataacag cacatcagac agggcagaga aattttgtgg gcaaaaaaag aggaggcatt
cttttgagca tgtttctctg attccccctg aaacctctac agtgctaagc agtcttaaag
                                                                      120
aaaaacataa acacaaatgt aagcgcagga atcatgatta cctcagctat gacaagatga
                                                                      180
aaaggcagaa acgaaaacgg aaaaagaaat atccccagct tcgaaataga caggatccag
                                                                      240
actttattgc agagctggag gaactaataa gtcgcctaag tgaaattcgg atcactcatc
                                                                      300
                                                                      360
gaagtcatca ttttatcccc cgagatcttc tgccaactat ctttcgaatc aactttaata
gtttctatac acatecttct ttccccttag accetttgca ctacattcga aaacctgact
                                                                      420
                                                                      480
taaaaaagaa aagagggaga ccccctaaga tgagggaggc aatggctgaa atgcctttta
tgcacagcct tagttttcct ctttctagta ctggattcta tccatcttat ggcatgcctt
                                                                      540
acteteette acceettaca getgeteeca taggattagg ttactatgga aggtateete
                                                                      600
ccactettta tecacetect ccatetectt ettteaceae gecaetteea eeteetteet
                                                                      660
atatgcatgc tgggcattta cttcttcaat cctggccaaa ttaccattaa ggaaaaaggc
                                                                      720
ataaggtaac tttcgacagg gagggccttt tctttaacaa ccagcaggga ttcccctcct
                                                                      780
                                                                      824
tttcctggag tacctaaccc cagtgtttcc tcctgagatg gccg
```

```
<210> 2389
<211> 692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(693)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1)...(543)
<223> similar to gi2315731 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2389

```
ttttttqtqa ctctatttat ctttgccctt tttgaaacca tcattactcc attaacaatg
                                                                       60
gatatgtatg cctggactca agaacaagct gtgttatata atggcataat acttgctgct
                                                                      120
                                                                      180
cttggggttg aagccgttgt tattttctta ggagttaagt tgctttccaa aaagattggc
                                                                      240
qaqcgtgcta ttctactggg aggactcatc gttgtatggg ttggcttctt tatcttgtta
                                                                      300
ccttggggaa atcaatttcc caaaatacag tgggaagatt tgcacaataa ttcaatccct
                                                                      360
aataccacat ttggggaaat tattattggt ctttggaagt ctccaatgga agatgacaat
                                                                      420
qaaagaccaa ctggttgctc gattgaacaa gcctggtgcc tctacacccc ggtgattcat
ctqqcccaqt tccttacatc agctgtgcta ataggattag gctatccagt ctgcaatctt
                                                                      480
atgtcctata ctctatattc aaaaattcta gggaccaaaa cctcagggtg tatacatggg
                                                                      540
                                                                      600
gctggttaac agcatctggg aagtgggagc ccggattctt ggggcctatg ttcattcagg
ccaagtgtat ggntcactgg ggggaccacg atgggcattc agcctggtgt gtggaataat
                                                                      660
                                                                      692
agtgctcacc atcaccctcc tgggagtgga ta
```

```
<210> 2390
<211> 1108
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1109)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (935)...(1110)
<223> similar to gi4589476 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2390 gegeaateeg etetetatag ceteateece tactetteea ettteecete teetteetgg 60 120 ctacactgat atcettgetg tttgaactcc ccaggcacac cttgcttcag ggcttttgtg gtactgtttc tgctgcctgg aatgtgcttc cctgtaccca ctggactcac ttcctcacgt 180 caatcacgtc tttgaggagc tgttttctca gagaggcctt tgaccatcct atcttanatc 240 300 attgtatttg gccaggcgtg gtggctcacg cctgtaatcc caacactttg ggaggccgag geagtggate agttgaggee aggagtttga gageageetg gteaacatgg tgaaaceetg 360 420 tctctactaa aaatataaaa attagctggg catggtggtg tgtgcctata gtcccagtta 480 cgcaggaggc tgaggcatga gaatcacttg aacctgggag gtagaggttg cagtgaacca 540 agatgecace actgeactee ageetgggea acagagtgag accatecete ecceaceca aaaaaaaatg ctgtatttgc catcatggca cgcacattat ctggcatgct acactttgtt 600 tgttgtttgt etttgeteac ttgaatgtag ettgtteact getgtateet cagtatettt 660 720 aatggggcct tgcagaaagt agttcctcaa atatttgtta tgtgagtctc atcttgtcat 780 ccaggtcaag agacaatcgg acactgtctg aagaaacggt caaaacaata tgctgtattt cagaattata teetgaaatt atatteegaa aggagttagt eageatgtgt gggtgacatt 840 900 agggagtgtt ttctggaggg aagggcaggt gcaggaaggg taggatgagg gccaggtgag 960 gatagggtgg actcaggcct tgttctcttc cgtaggtctt tactcacctg gagacctgtg 1020 gcccactccg ccagtgtgtg tgacaagcag cttaaactgc accctggaga acggcgtgcc 1080 ttgtgtgatt caggagtcgg ccccggctca taatagtttc attgattgga gtgcaacatg 1108 cgaaggccag ttttccagcg catactgt

```
<210> 2391
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (177)...(632)
<223> similar to gi3878402 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2391 gaacatttaa aatagatatt cccccagttc ttctgggcta cagtaaggag cgaaatatga 60 ttcttgagcg gggttttgat tctgtccgaa gcttaagtga aggctcctac attaccctct 120 180 ttattaccat tgagccccag ctggttcctg gagagtccat tcgagaaaag tttgagtctc 240 aggaagatga gaaattactt caagcaactg agaagtttca agctgaatgt gccttaaagt ttccaaatcg tcagtgcctt acaacagtaa ttgatataag cggaaaaact gtttttatca 300 cacgttatet caaacettta aaccetecte aggageteet taatgtetae cecaataate 360 tacaggcaac tgcagaactg gtggctcgat atgtgtcctt gattcccttc ttgcctgaca 420 ctgtctcatt tggtggtatc tgtgacctct ggagcacatc tgatcaattt cttgatctcc 480 tggcagggga tgaagaagaa catgcagtac tattgtgtaa ttactttctg tctctgggta 540 agaaggcctg gctgttgatg ggcaatgcta ttcctgaggt aagaccacat aggctgcctt 600 taacagagga gtatagttgt ctaatcgagt tgtgtgttcc agatcacaca caggacatat 660 tttcataacg atcctttggg ttgctaggaa agtggcccac agatgccgta acgggcagag 720 7.80 agaactacca gtgataagac atgaaatggt tttcagtggt cctcagggcc ccatgcaaca 840 cttcagatta ttttttggca aacccgaacc ctttaccatc caaagccccc acctagctct 900 gtccttttag tatgggcctc ttcccagcca tgttcccaag aattcagatt cccttaatga 935 tgtggtagtc ttcatgcttt gcaatgaaga ggatc

```
<210> 2392
<211> 860
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(859)
<223> similar to gi3978171 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2392
tgcgaccacc aggatccgac tcagtggggg ccgcagccaa catgaggggc gagtcgaggt 60
gcaaataggg ggacctgggc cccttcgctg gggcctcatc tgtggggatg actgggggac 120
```

```
cctqqaggcc atggtggcct gtaggcaact gggtctgggc tacgccaacc acggcctgca
                                                                      180
ggagacctgg tactgggact ctgggaatat aacagaggtg gtgatgagtg gagtgcgctg
                                                                      240
cacagggact gagetgtece tggateagtg tgcccateat ggcacccaea teacetgcaa
                                                                      300
gaggacaggg acccgcttca ctgctggagt catctgttct gagactgcat cagatctgtt
                                                                      360
gctgcactca gcactggtgc aggagaccgc ctacatcgaa gaccggcccc tgcatatgtt
                                                                      420
                                                                      480
qtactqtqct qcggaagaga actgcctggc cagctcagcc cgctcagcca actggcccta
tggtcaccgg cgtctgctcc gattctcctc ccagatccac aacctgggac gagctgactt
                                                                      540
caggcccaag gctgggcgcc actcctgggt gtggcacgag tgccatgggc attaccacag
                                                                      600
                                                                      660
catggacttc ttcactcact atgatatect caccecaaat ggcaccaagg tggctgaggg
ccacaaagct agtttctgtc tcgaagacac tgagtgtcag gaggatgtct ccaagcggta
                                                                      720
tqaqtqtqcc aactttggag agcaaggcat cactgtgggt tgctgggatc tctaccggca
                                                                      780
tgacattgac tgtcagtgga ttgacatcac ggatgtgaag ccaggaaact acattctgca
                                                                      840
                                                                      860
tggtgtcatc aacccaactt
```

```
<210> 2393
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (96)...(459)
<223> similar to gi571480 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2393
cacggcgtcg ggggaaaaag ctacggtgga ggggcataaa gccgcggtgg cgaggtcaaa
                                                                      60
tagccgcaaa aagccgcggc ggcggggggg aaaagccgca aaaagcagcg gcggcggggg
                                                                     120
                                                                     180
caaaaaqccg caqcggcaaa aagcctcagc ggcgggggca aaaagccacg cccgggggaa
aaagccgcag cggcagggc aaaaagccac ggcggcaggg agcaaaaacc cgcgggggta
                                                                     240
                                                                     300
ggcgcaaaaa gccgcggcgg ggggttaaaa agccgcgtca gcaaaacccg cggcggcggg
cgcaaaaagc cgcggcgggg gcaaaaagcc gcaaaaaacc caaggcggca aaaagcctcg
                                                                     360
gcggcgggg gtggggggg tgcaaaaaac cgcggagagt ggggcaaaaa accgcggtgt
                                                                     420
cgggggaaaa agccatggcc gcggcggcaa aaaccc
                                                                     456
```

```
<210> 2394
<211> 682
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(648)
<223> similar to gi6002669 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2394
cccacgcgtt cgtggacaag tatttgtttc tgaagctctc tatggaccca agttgagcca
                                                                      60
                                                                      120
ccttaacaat gtattggtgt ttgctccatc accctcaagc cagtgtaata agccctggga
aggtcaactg ggagaatgtg cgcagtggct taagtggact ggcgaggagg ttggtgatgc
                                                                      180
                                                                      240
agctggggaa ataatcactg cctctcaaca tggggaaatg gtatttgtga gtggggaagc
cgtgtctgct tattcttcag caatgagact gaaaagtgta tatcgtgctt tgcttctctt
                                                                      300
aaattcccaa actctgctag ttgttgatca tattgagagg caagaagatt ccccaataaa
                                                                      360
ttctqtcagt gccttctttc ataatttgga tattgatttt aaatatatcc catataagtt
                                                                      420
tatgaatagg tataatggtg ccatgatgga tgtgtgggat gcacattaca aaatgttttg
                                                                      480
gtttgatcat catggcaata gtcccatggc cagtatacag gaagcagagc aagctgctga
                                                                      540
                                                                      600
atttaaaaaa cgatggactc aatttgttaa tgttactttt cagatggaat ccacaatcac
aagaattgca tatgtctttt atgggccata tatcaatgtc tccagctgca gatttattga
                                                                      660
                                                                      682
tagttccaat cctggacttc ag
```

```
<210> 2395
<211> 518
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(521)
<223> similar to gi4062983 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2395
cctacaacca gcagagtacc ctggaggagc acaaggagcg gtgccataac tacctacaga
                                                                       60
                                                                      120
gtctcagcac tgaagcccaa gctttggctg gccaaccagg tgacgaaata cgtgacctgg
                                                                      180
agatggtgcc agactccatg ctgcactcat cctctgagcg gccaactttc atcgatcgtc
                                                                      240
tggccaatag cctcaccaaa cgcaagcgtt ccacacccca gaagtttgta ggcgaaaagc
agatgegett cageetetea gaeeteeeet atgatgtgaa etegggtgge tatgaaaagg
                                                                      300
                                                                      360
atgtggagtt ggtggcacac cacagcctag agcctggctt tggaagttcc ctggcctttg
                                                                      420
tgggtgcaga gcatctgcgt cccctccgcc ttccacccac caattgcatc tcagaactca
                                                                      480
cgcctgtcat cagctctgtc tacacccaga tgcagcccct ccctggtcga ctggagcttc
                                                                      518
caggateceg agaageaggt gagggaeetg aggaeetg
```

```
<210> 2396
<211> 491
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (104)...(277)
<223> similar to gi2563999 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```
<400> 2396
                                                                       60
atgggtcgag tgagtcacat tgggaacgtg actccagggt ggaagatgaa cccagcctct
                                                                      120
ggcctctggc cccagctctg acatggcctg tgtcctccaa ccccggccag ggcctgtgag
ggtgactgcc atccaggggg acgtgaccca ggcccatgag gtggcagcag ctgtggccgg
                                                                      180
ageccatgtg gtcatecaca eggetggget ggtagaegtg tttggeaggg ccagteccaa
                                                                      240
gaccatccat gaggtcaacg tgcagggtga ggagctctgg acactcctgg ccatcttgcc
                                                                      300
                                                                      360
tgtttgttcc ccactetgtc tttggccttg acctecggtg acteccetgg gacaagttgt
cctattgaca gccctgcccc cgcctcccct gacctgtcat ggttttccct ggacctggga
                                                                      420
                                                                      480
tggggaggag gaagatgcag agagggaaga agctgcagct tggatacgcc acgaaatcgt
                                                                      491
cqacccggga a
```

```
<210> 2397
<211> 436
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)...(431)
<223> similar to gi3878739 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2397
tttegtggga ggaggaggag gccccgtcgc ggttettegc cgtcgccaac ggggctgtcc
                                                                       60
ctqtaqctcc cgatggagtt tttagggcca gctatgcaag aagaggcctt gaagctggtg
                                                                      120
                                                                      180
ttactggcat tagaagatgg ttctgccctc tcaaggaaag ttctggtact ttttgttgtg
                                                                      240
cagagactag aaccaagatt tcctcaggca tcaaaaacaa gtattggtca tgttgtgcaa
ctactgtatc gagettettg ttttaaggtt accaaaagag atgaagacte tteectaatg
                                                                      300
cagetgaagg aggaattteg gagttatgaa geattaegea gagaacatga tgeecaaatt
                                                                      360
gttcatattg ccatggaagc aggactccgt atttcacctg aacagtggtc ctctcttttg
                                                                      420
                                                                      436
tatggtgatt tggctt
```

```
<210> 2398
<211> 471
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
```

<222> (3)...(456) <223> similar to gi2827162 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2398
tttcgtgcga gagtctgggc accgtccccg agcacgagcg gatcttgcag gagatcgaga
                                                                      60
gcaccgacac cgcctgtgtg gggcccaccc tccggtctgt gtatgatgac caaccaaatg
                                                                     120
cgcacaagaa gtttatggaa aagttagatg cttgtatccg taatcatgac aaggaaattg
                                                                     180
aaaagatgtg taattttcat catcagggtt ttgtagatgc tattacagaa ctccttaaag
                                                                     240
taaggactga tgcggaaaaa ctgaaggtgc aagttactga taccaaccga aggtttcaag
                                                                     300
                                                                     360
atgctggaaa agaggtgata gtccacacag aagatatcat tcgatgtaga attcagcaga
gaaatattac aactgtagta gaaaaattgc agttatgcct tcctgtgcta gaaatgtaca
                                                                     420
qtaagctgaa agaacagatg agtgccaaaa ggtgagttgg ttttttcct a
                                                                     471
```

```
<210> 2399
<211> 474
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(474)
<223> similar to gi3834631 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2399
tttcgtctag aagccggctg tcggtctccg tgtcgccgcc gccgcccggc atcgtggagc
                                                                      60
tggggcccc ttttgcctgg gagttttgta gtcgcctagg gtcagcggtg acatcccaaa
                                                                      120
gggcaggccc ggcagccgcc atggtggcca aggattaccc cttctacctc acggtcaaga
                                                                      180
gagcgaactg cagcctggag ctacctccgg ccagcggtcc ggccaaggac gctgaggagc
                                                                      240
ctagtaataa acgggtcaaa cccctttccc gagtcacgtc gctagcaaac ctcatcccgc
                                                                      300
ccgtgaaggc cacgccatta aagcgcttca gtcaaaccct gcagcgctcc attagcttcc
                                                                      360
gcagtgagag ccgccctgac atcctcgccc cccgaccctg gtccagaaat gccgcccct
                                                                      420
                                                                      474
cgagcacgaa acggagagat agcaagctgt ggagtgagac cttcgatgtg tgcg
```

```
<210> 2400
<211> 754
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (22)...(713)
```

## <223> similar to gil665789 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2400
cccgggtcga cgatttcgtg cgcaaatggc gttgagatgg ttcagggccc tgttcaaact
                                                                       60
                                                                      120
ccaqcactga ccattcaccg gcggaagcgg cggcgcagga ggcggcggcg gcccagcggg
ggcacacage aggetetgtt accageteca geagtggegg ceaaageace egecaggete
                                                                      180
cgaggagaat atgaaactgg ggtcaaaatg acatccagat ttgggaaaac atacagtagg
                                                                      240
                                                                      300
aaaggtggaa atggcagttc aaaattcgat gaagtctttt ccaacaaacg gactaccctt
                                                                      360
agcacaaaat qqqqaqagac cacatttatg gctaaattag ggcagaagag gcccaatttc
                                                                      420
aaaccaqata tccaaqaaat tccgaagaaa cctaaagtgg aagaagaaag tactggagat
ccttttggat ttgatagtga tgatgagtct ctaccagttt cttcaaagaa tttagcccag
                                                                      480
                                                                      540
qttaaqtqtt cctcttattc agaatctagt gaagctgctc agttggaaga ggtcacttca
gtacttgaag ctaatagcaa aattagtcat gtggtcattg aagacactgt cgtttctgat
                                                                      600
aaatgcttcc ctttggagga cactttactt gggaaagaaa agagcacaaa ccgaattgta
                                                                      660
gaagatgatg caagcataag tagctgtaat aaattaataa cttcaggtaa gttttgattt
                                                                      720
                                                                      754
tetttattet eegecaagag agetttgtge aace
```

```
<210> 2401
<211> 621
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (47)...(608)
<223> similar to gi437639 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2401
                                                                       60
tttcgtgact gtagtcagcc cttagtggat gagagcgcct atgcttcaga aacagcaggc
                                                                      120
tcccaggatg gacaccccgc cccctgaaga acgcttagag aagcaaaatg aaaaactgaa
                                                                      180
caaccaggaa gaggagacgg agtttaagga actggacggt ctgagggaag ccttggcaaa
cctccgggga ctgtcagagg aggagaggag cgagaaggct atgcttcgct cccgcattga
                                                                      240
                                                                      300
agagcagtee cageteatet geateetgaa geggaggtea gatgaggeee tggagegetg
ccagatecta gagetgetea atgeagaget ggaggagaag atgatgeagg aggetgagaa
                                                                      360
                                                                      420
gctcaaggcc cagggtgagt acagtcggaa actagaggaa cgctttatga ccctagcagc
                                                                      480
caaccacgag ttgatgctcc gcttcaagga tgaatacaag agtgagaaca tcaagctgag
ggaggagaat gagaagctga ggctggagaa taacagcctc ttcagccagg ctctgaagga
                                                                      540
                                                                      600
tgaqqaqqq aaaqtattac aqctcacagt ccggtgtgag gccctcactg gggagctaga
                                                                      621
aacgctgaag gagaggtgtg c
```

```
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(855)
<223> similar to gi5441615 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2402
aagaaacctt taaaatgtaa tgactgtggt aaaaccttta gtcgaagctt ctctcttaaa
                                                                       60
cttcatcaga acattcatac gggagagaag ccttttgaat gcagtaattg tagaaaagct
                                                                      120
                                                                      180
ttcaqacaga tctcatccat cctacttcat cagagaattc acagtggaaa gaaaagccat
gaatgcaata aatgtgggga aagcttcaat caaagaacaa cccttattct acatatgaga
                                                                      240
attcatgatg gaaaggaaat tottgactgt gggaaggcot tgagtcaatg tcagtottto
                                                                      300
aatatacatc agaaaattca tgttgttggg aatgtctgcc agtgcagaaa gtgcggaaga
                                                                      360
                                                                      420
qccttcaatc agatqtcatc ccttttactt cataagaaaa ttcacaatgg aaagaaaaca
cataaatata ataaatgtgg gagaggcttc aaaaagaaat cagtctttgt tgtacataaa
                                                                      480
agaattcatg ctggagagaa aatccctgaa aatgcgaagg ccttaagtca gagtctacag
                                                                      540
caaagaagtc accatttaga gaatcctttt aaatgcagaa aatgtgggaa attatttaat
                                                                      600
aggatttcac ccctgatgct tcaccagaga attcacactt cagagaaacc gtacaaatgt
                                                                      660
gataaatgtg acaagttett caggeggett teaaceetta ttetgeatet aagaatteat
                                                                      720
aatggagaaa aactatacag atgccataaa tgtgagaagg tctgcaatcg gcattcatcc
                                                                      780
                                                                      840
cttattcaac atcagaaagt tcataccaag aaaaagaaac tatttgagtg taaggaatgt
                                                                      863
gggaagatgt tttctggaac tgc
```

```
<210> 2403
<211> 702
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(431)
<223> similar to gi512485 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2403
gtgccgcgtg tgctgcagcc tgggcagctt ctatgcccag gtcaaggact acgagaaagc
                                                                       60
                                                                      120
cctqttcttc ccctgcaagg cggcagagct tgtcaacaac tatggcaaag gctggagcct
gaagtaccgg gccatgagcc agtaccacat ggccgtggcc tatcgcctgc tgggccgcct
                                                                      180
gggcagtgcc atggagtgtt gtgaggagtc tatgaagatc gcgctgcagc acggggaccg
                                                                      240
                                                                      300
gccactgcag gcgctctgcc tgctctgctt cgctgacatc caccggagcc gtggggacct
                                                                      360
gcagacagcc ttccccaggt acgactccgc catgagcatc atgaccgaga tcggaaaccg
                                                                      420
cctggggcag gtgcaggcgc tgctgggtgt ggccaagtgc tgggtggcca ggaaggcgct
ggacaaggtg aggtcgggcc tttcccacag cctccagccc tcccagcact ccccacttgg
                                                                      480
```

```
ggccagtagg ttagccggct ctttcagcca ctttgtctga cgtcagcctc accctgatcc 540 tacgaggcca ggacattcct ggtcattttc caggetcaga gaaggcccat cacttgccct 600 aggacccaca gctagtaaag ggctggaacc ctgggtaaac tgaggcagga ggtcacttgc ccacacagcc cctatgactg tgccctagtc tcttcctgct gc 702
```

```
<210> 2404
<211> 397
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (261)...(400)
<223> similar to gi3882269 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2404	•			*	
ctgatcgctg	ctgccctgct	ctcctcctcc	tctcattcct	ctgcctcctg	gattcctgaa	60
	aataaggtag					120
gcaccccttt	cgtgtgtgcc	ggtacctcgg	cttaggagtt	gcccgctgac	accttgaatg	180
aaggaggtcc	ccttgccagc	cagcctgccg	ggatgggcca	ttgctgctgc	aagccttata	240
	gtgcctggac					300
caatcgaact	tgcaaacatc	agggatgaag	ttqccttcca	tacagcaaag	tgcgagaaac	360
	gaaggaggag					397

```
<210> 2405
<211> 1283
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (151)...(1128)
<223> similar to gi5724778 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
tgccaattca ttgaaaaaca tggcttaagc gcagtgggga tttttaccct tgaatactcc
                                                                      420
gtgcagcgag tgcgtcagct ccgtgaagaa tttgatcaag gtctggatgt agtgctggat
                                                                      480
                                                                      540
qacaatcaga atgtgcatga tgtggctgca ctcctcaagg agtttttccg tgacatgaag
gattetetge tgecagatga tetgtacatg teatteetee tgacageaac tttaaageee
                                                                      600
caggatcage tttetgeect geagttgetg gtetacetga tgecaccetg ccacagtgat
                                                                      660
accetggage gtetgetgaa ggeeetgeat aaaateactg agaactgega ggaeteaatt
                                                                      720
ggcattgatg gacagttggt cccaggcaac cgtatgactt ccactaactt ggccttggtg
                                                                      780
tttggatctg ctctcctgaa aaaaggaaag tttggcaaga gagagtccag gaaaacaaag
                                                                      840
                                                                      900
ctggggattg atcactatgt tgcttctgtc aatgtggtcc gtgccatgat tgataactgg
                                                                      960
gatgtcctct tccaggtgcc tccccatatt cagaggcagg ttgctaagcg cgtgtggaag
tccagcccgg aagcacttga ttttatcaga cgcaggaact tgaggaagat ccagagtgca
                                                                     1020
cgcataaaga tggaagagga tgcactactt tctgatccag tggaaacctc tgctgaagcc
                                                                     1080
cgggctgctg tccttgctca aagcaagcct tctgatgaag gttcctctga ggagccagct
                                                                     1140
gtgccttccg gcactgcccg ttcccatgac gatgaggaag gagcgggtaa ccctcccatt
                                                                     1200
ccggagcaag accgcccatt gctccgtgtg ccccgggaga aggaggccaa aactggcgtc
                                                                     1260
                                                                     1283
agctacttct ttccttagat gtt
```

```
<210> 2406
<211> 914
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(915)
<223> similar to gi3986768 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2406
cctttctagg gaccagggaa ggaaaccttg gagagcgctc tcatcgccct cgactcggaa
                                                                       60
                                                                      120
aaacccaaga agettegett ccacccaaag cagetgtaet teteegecag gcaaggggag
                                                                      180
cttcagaagg tgctcctcat gctggtggac ggaattgacc ccaacttcaa aatggagcac
                                                                      240
cagaataage geteteeact geacgeegeg geagaggetg gacaegtgga catetgeeac
                                                                      300
atgctggttc aggcgggcgc taatattgac acctgctcag aagaccagag gaccccgttg
                                                                      360
atggaagcag ccgaaaacaa ccatctggaa gcagtgaagt acctcatcaa ggctggggcc
                                                                      420
ctggtggatc ccaaggacgc agagggctct acgtgtttgc acctggctgc caagaaaggc
                                                                      480
cactacgaag tggtccagta cctgctttca aatggacaga tggacgtcaa ctgtcaggat
                                                                      540
gacggaggct ggacacccat gatctgggcc acagagtaca agcacgtgga cctcgtgaag
ctgctgctgt ccaagggctc tgacatcaac atccgagaca acgaggagaa catttgcctg
                                                                      600
                                                                      660
cactgggcgg cgttctccgg ctgcgtggac atagccgaga tcctgctggc tgccaagtgc
                                                                      720
gacctccacg ccgtgaacat ccacggagac tcgccactgc acattgccgc ccgggagaac
                                                                      780
cgctacgact gtgtcgtcct ctttctttct cgggattcag atgtcccctt aaagaacaag
                                                                      840
gaaggagaga cgcccctgca gtgtgcgagc ctcaactctc aggtgtggag cgctctgcag
                                                                      900
atgagcaagg ctctgcagga ctcggccccc gacaggccca gccccgtgga gaggatagtg
                                                                      914
agcagggaca tcgc
```

```
<210> 2407
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(444)
<223> similar to gil065457 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2407					
aagggatctt	gctattggcc	tccggctgaa	attgggggat	tggtttagag	tactccagct	60
		atgcagatga				120
		gacaaaagtg				180
accasaccad	gaacgettag	ctgaatgtta	ctatatatta	gaggattatg	aggggttaga	240
gaacettace	atttcacttc	cagaaaacca	caagttactt	ccagaaatag	cacaaatgtt	300
tatasasatt	ggaatgtgtg	aacaagcagt	gactgcattt	ttgaaatgta	gtcaaccaaa	360
rgccagagee	gatacataca	tacatctcaa	ccaatggaac	aaagctgttg	aattggctaa	420
ggcagcagca	gataccegeg	ttacactctaa	attaactaaa	tatgcatctc	atttactoga	480
aaatcatagt	acgaaagaaa	ttggatctct	gccagccagg	cacycaccec	acceasegga	484
aaag			•			404

```
<210> 2408
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (143)...(469)
<223> similar to gi930123 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2408
                                                                      60
cacccctctg agctcccgct cctggctctg tagctgagag aagccctggc aggtcagtgg
caggcactgt cacgctgagt cctatgctgg cagcggggaa ccttggggag aacacgggac
                                                                      120
accgcggaag ccgggaaatg gaatgaaatg ggaagacaca aacattgaag atcagcacag
                                                                      180
aaatcccagg aggagcctaa gatgtcatat catagagaga tttagtgaaa gtcgccagcc
                                                                      240
agatagtact gtgaatgaaa aacctcctgg agtagatcca tgtaaaagca gtgtgtgtgg
                                                                      300
agaaatcatg ggttgttcat tccttaattg ctatatcaca tttgatgctg gacacaaacc
                                                                      360
                                                                      420
agatgagtgt caggaatatg gagagaagcc acatacacat aaacaatgtg ggacagcctt
                                                                      467
caattatcac cactcctttc aaacacagga aagacctcac actggaa
```

```
<210> 2409
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(176)
<223> similar to gi181123 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2409					•
agatecgggt	gcgagccacg	cgtccgtgca	ggtgcaggta	ctgaaagagc	aactttttgc	60
tagacatata	ccttcaccct	tccgctcctg	cgcactcatg	ggaatgtgtg	gcagtagaag	120
cgctgataac	ttatcatacc	cttctccatt	gaatgtaatg	gaaccagtaa	gcttctttcc	180
tettaaatea	ctggggaagg	gaatgataca	acatttcaga	cacatagttt	ccctagttta	240
gatgaaatat	atgtttattt	taaatacata	atttqataãa	ttattgttga	ttggaagtga	300
		ttgctgtctg				360
		aaaggaggta				414
aququecuu	0000000			_	_	

```
<210> 2410
<211> 419
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(359)
<223> similar to gi2651302 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2410					
ttaatcctqa	ctgggagaag	aaagtaattg	agtattttaa	ggaaaagctg	aaggaaaata	. 60
atoctcctaa	gtgggtacca	tcactgaacg	aagttcccct	tcattatttg	aaacctaata	120
		atgattcagg				180
tttatgaaac	ggttaaccaa	aacacaaaag	cacatqttct	tcattttgga	aaatatagag	240
atgtaggaga	gratagacct	caacaagaac	ttgatttaaa	ctctccacqa	aataccactt	300
togeageaga	gagtttctat	tgtgttccgg	tacctagaga	atctacqtqq	gtaaaagaag	360
cctatattaa	tacasaccas	gctcgagtca	greeteac	atctacactc	ctagtcgcc	419
cctatgttaa	Lycaaaccaa	gcccgagcca	5000000			

```
<210> 2411
<211> 741
<212> DNA
```

```
<220>
    <221> misc_feature
    <222> (71)...(578)
    <223> similar to gi5919219 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
    <400> 2411
atgctgctgg cttaaagaaa gaatgaaata tgaatagaca aaaacaaaga agggcgtaaa
                                                                       60
agaaaaggcg acagatcagt cagtgaaagc atttgctgaa cactgtcctg agcttcaata
                                                                      120
tgtaggcttc atgggttgtt cagtcacttc taaaggagtt attcacctaa ccaagctaag
                                                                      180
aaacctttcc agcttggacc tacgtcatat cactgaactg gataatgaaa ccgcgatgga
                                                                      240
aattgtcaag aggtgcaaaa atcttatctc tctcaatctc tgtctgaact ggatcataaa
                                                                      300
tgacaggtgt gtggaggtca ttgcaaagga aggacaaaac ctgaaagagc tatatttggt
                                                                      360
gtcctgtaaa atcacagatt atgcactgat agccattggg cgatacagca tgacaataga
                                                                      420
gactgtggat gtcggatggt gtaaagaaat cacagaccaa ggagccaccc tgattgcaca
                                                                      480
gagcagcaag tototgagat atttggggot gatgagatgt gataaagtca acgaagtgac
                                                                      540
                                                                      600
ggtggaacag ctggtgcagc agtaccccca catcaccttc agcaccgtcc tgcaggactg
caagaggacc ttggagagag cctatcagat gggctggacc cccaacatgt ctgccgcctc
                                                                      660
                                                                      720
ctcctagcgc tcctgcctcg cctagtccac tgggatcatt cagcagagca gaggagaatt
                                                                      741
qtacatttqq qqaqctgatc t
     <210> 2412
     <211> 471
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (1) ... (469)
     <223> similar to gi3540177 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2412
                                                                       60
aaaqttttta qtcataqcta tcaacttact ctgcatcaga gatttcatac tggtgagaaa
ccctatgaat gtcaagaatg tgggaagacc tttactcttt acccacaact taatcgacat
                                                                      120
                                                                      180
caqaaaattc acactqqtaa aaaaccctat atgtgtaaga aatgtgataa gggttttttt
agtagattag aacttactca acataaaaga attcatactg gtaagaaatc ttatgaatgt
                                                                      240
                                                                      300
aaagaatgtg gaaaagtttt tcaacttatt ttctacttta aagaacatga gagaattcat
                                                                      360
acaggtaaga aaccctatga atgtaaggag tgtgggaaag cttttagtgt atgcggacaa
                                                                      420
cttacccgtc atcagaaaat tcatactggt gtaaaaccct acgaatgtaa ggaatgtgga
```

<213> Homo sapiens

471

aagaccttta gacttagttt ttaccttact gaacacagaa gaactcatgc g

```
<210> 2413
<211> 395
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (106)...(396)
<223> similar to gi687208 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

c400> 2413
ctcatattta aatttagatg tgccatagaa gttttgaagt tttgttaatg ctccttttat 60
tgagactgaa tctggtcaaa cagtatacca aaatgataac aacccctcac caaggttttc 120
cagttgtatg aaaccaagaa ctcccgccac tccaccatga tcgtgggctg cacgggcagc 180
ggcaagactg cctcatggcg cattctacag gcctccctgt cctctctgtg ccgcgcgga 240
gaccctaact tcaacattgt tagagagttc cctttgaacc ccaaggcatt gtccctaggg 300
gaactgtatg gggaatatga cctcagcacc aatgaatgga cagatggcat cttgtccagt 360
gtcatqcgga cggcatgtgc agatgagaaa cccga

```
<210> 2414
<211> 766
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(762)
<223> similar to gi3127182 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2414
ctctcgcctg agaagccttg atataaggtg tattcgcagc ttaaatggtt gtagagttac
                                                                      60
                                                                      120
tgatgaaatt ttgcatttag tgccaaataa agaaactttt agactcaccc taagagctgt
caaattatgg gcaaaacgac gtggtattta ttccaacatg ctaggattcc ttggtggtgt
                                                                      180
                                                                      240
ctcctgggca atgctagttg caagaacttg ccaattgtat ccaaatgcag cagcatctac
tttagttcat aagttctttt tagttttttc caagtgggaa tggccaaatc ctgtgctgct
                                                                      300
                                                                      360
gaagcaacca gaagaaagca atttgaattt gcctgtctgg gatcctcggg taaatccatc
agataggtat catctcatgc ccataatcac ccctgcctac ccacaacaga attctacgta
                                                                      420
taatgtgtcc acatcaactc gaacagtaat ggtagaagaa tttaaacaag gtcttgcagt
                                                                      480
                                                                      540
cacagatgaa attetteaag gaaagteaga ttggteeaaa etaettgage cacegaattt
ctttcaaaag tatagacatt atatagtatt gactgccagc gcatcaacag aagaaaacca
                                                                      600
tctagagtgg gttggattag tagaatctaa aatccgtgta cttgttggaa acttggaacg
                                                                      660
gaatgaattt attactcttg cccatgtgaa_tccccagtca ttcccaggga ataaggaaca
                                                                      720
tcataaagac aacaattacg tatcaatgtg gtccttggga tatttt
                                                                      766
```

```
<400> 2415
cttctggacc taggactttg aacatgtcgc gcctgaagcg gatagcgggg caggatctcc
                                                                       60
                                                                      120
gegetggttt caaageaggt ggaagagaet geggtaeete ggtaeeeeaa gggetgttga
                                                                      180
aggeagegag gaagagegge cagttaaace tgtegggtag aaaceteagt gaagtgeege
agtgtgtctg gagaataaat gtggatatcc ctgaggaagc taatcagaat ctttcgtttg
                                                                      240
                                                                      300
gtgctactga aagatggtgg gagcagacag atttgaccaa actaataata tcaaacaata
aacttcagtc acttacagat gacctgcgac tcttgcctgc actgactgtt cttgatatac
                                                                      360
atgataatca gttgacatcc cttccttctg ctataagaga gctagaaaat cttcagaaac
                                                                      420
                                                                      480
ttaatgtcag ccataataaa ctgaaaatac tccctgaaga aattacaaac ctaagaaacc
                                                                      540 <sup>(</sup>
tgaagtgoot gtatotocag cataatgaat taacotgoat atcagaggga titgaacaac
tttccaattt agaagattta gatctttcaa acaatcatct tacaactntt cctgctagat
                                                                      600
                                                                      660
tatcttctct qtccaqtctg gtgcgactca atctttctag taatgaactg aagagtttgc
cagcagaaat aaatagaatg aaaaggttga agcatttgga ttgtaattca aatctcttgg
                                                                       720
                                                                       780
aaactatacc teetgaattg getggeatgg aatcactaga attgetttat ttgeggagga
                                                                       840
ataaattacg ttttctacca gaatttcctt cttgtagtct attgaaggaa ttgcacgtag
gtgaaaacca gattgaaatg ttagaggcag aacatettaa acatetgaat tcaattettg
                                                                       900
                                                                       960
tgctagacct gagggataac aagttaaaat ctgttccaga tgaaattata ctactacggt
ccttggaaag gcttgaccta agcaacaatg atattagtag tcttccctat tcattgggga
                                                                      1020
accttcattt gaaatttttg gcattagaag gaaatccttt gagaacaatt cgaagagaaa
                                                                      1080
ttataagtaa aggaacacaa gaagteetaa aatatetaeg aageaagate aaagatgatg
                                                                      1140
gacctagcca aagtgagtct gctactgaga ctgccatgac actaccaagt gaatccagag
                                                                      1200
tcaatataca tgccatcatt acattaaaaa tattagacta taggtatgta atttattatt
                                                                      1260
atttttattt ttatagagat agggtettae tgtgttgece aggetggtet tgagettett
                                                                      1320
                                                                      1380
gggetcaage catectectg etttggeete teaaagtget aggattatag gettgageta
ccatgcttgg cctaatttat tttttttaa aacattacca aacacatagg aaacttttca
                                                                      1440
gaaagaaacc cttcagtaaa aaggacaatt gatgaggaaa aattcatcag agtacttgac
                                                                      1500
                                                                      1518
ttagagtaat aataattg
```

<210> 2416 <211> 376

```
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (200)...(378)
<223> similar to gi2981631 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters
```

<400>						
tggacagatc	agatcatcca	gacaaaatta	acgaagaaac	atcaaactta	atctgcactg	60
tagaccaaat	ggatttaata	gatatttcta	gaacatttca	tctgatggct	gcagaattta	120
cattottete	tttagcacat	ggatcgtcct	caaqqttaga	ccatatgtta	ggccacaaaa	180
taagtgatta	aaaattgaaa	ccttgatact	agaagcagac	accgacacgt	caaagaaaga	240
atactacacc	ccaatotctc	tgatgaatat	tgatgcagat	atcctcaaca	aaatactagc	300
acaccacagg	cadcastacd	ttataaagat	cattcattat	gatgaagtgg	ggtttatccc	·360
		ccacaaagaa	0900,00000	555-55		376
tggggtacaa	ggatgg					

```
<210> 2417
<211> 394
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (394)...(2)
<223> similar to gil049301 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

```
<400> 2417
cgcctgtttc ctcagagcca ctttttcctt tgtgttgtct ggtcgttcac tactttgagg
                                                                       60
                                                                      120
gaaaagaatt ttgccgttcg cgttcgattg actccgtccc caagatcctg tagccccacg
gacctggcga ctccaccgtg ttcgggtctt tctaggaacc caatctgcct tcatgaagaa
                                                                      180
aagacagagg cagaaaggaa gatggcttac tgcctgacaa attgttatca gtactccgtg
                                                                      240
                                                                      300
acctttgagg atacagctgt ggacttcacc caggaggagt ggattttact ggacccagtt
cagagaaact tatacagaga tgtgatgctg gagaattatg agaacgtggc caaagtagga
                                                                      360
                                                                      394
tttcagctct ttaaacccag tgtcatctct tggg
```

```
<210> 2418
<211> 473
<212> DNA
```

<213> Homo sapiens

<221> misc feature <222> (114)...(359) <223> similar to gi213020 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters <400> 2418 60 aacgggaaat ggcggaaccg ggcggcgcgg cgggccggta agccgggccg aggggcagcg 120 agtettagag tegecaggee gegeteteeg tteacegete caggteecat ceggaagatg gatcggcttc tgagggagag aaggaaggga ataatgaaag ccacatggtg tcaccaccag 180 agaaggatga tggccagaaa ggtgaagaag ctgtcggtag cacagagcat cctgaggaag 240 tcacaaccca agcggaagct gcaattgaag aggggaggt cgagacagaa ggggaagcac 300 cagtggaagg ggaagaggag gctgtgtcct atggagatgc tgaaagcgaa gaggaatatt 360 actatacaga aacttcatcc ccggaagggc aaatcagtgc tgcagatacg acttacccgt 420 atttcagtcc tcctcaggaa ctgcctggag aggaggcata cgatagtgtt agc 473 <210> 2419 <211> 784 <212> DNA <213> Homo sapiens <220> <221> misc feature <222> (3)...(643) <223> similar to gi3628757 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters <400> 2419 cccatgggct gtgttacata gagacagcag aacttgatgg cgagaccaac atgaaagtac 60 120 qtcaqqcqat tccaqtcacc tcagaattgg gagacatcag taagcttgcc aagtttgacg gtgaagtgat ctgtgaacct cccaacaaca aactggacaa attcagcgga accctctact 180 240 ggaaggaaaa taagtteeet etgageaace agaacatget getgegggge tgtgtgetge gaaacaccga gtggtgcttc gggctggtca tctttgcagg tcccgacact aagctgatgc 300 aaaacagcgg cagaacaaag ttcaaaagaa cgagtatcga tcgcctaatg aataccctgg 360 420 tgctctggat ttttggattc ctggtttgca tgggggtgat cctggccatt ggcaatgcca 480 tctgggagca cgaggtgggg atgcgtttcc aggtctacct gccgtgggat gaggcagtgg 540 acaqtqcctt cttctctqqc ttcctctcct tctggtccta catcatcatc ctcaacaccg

<220>

aagg

agaagtcctc ttcttcctgt actgtaaaca tttgatgtta tctgtttatc tttgtgggca

600

660 720

780

784

```
<400> 2420
agcaagtctg aagttttaca ggaatctatt agaaaacaaa gtgtcaatta tttcaagaat
                                                                      60
                                                                      120
taccataqaa cacggctcga tgaactgaga atgttcttag agaatgagac ttgggaactt
tgtcctgtta agtcaaattt cagcatcttg caacttcatg aatttaaatt catggaacag
                                                                      180
tetegetece cateagttte acctagtaaa cagecagtet caacttette aaaaacagtg
                                                                      240
                                                                      300
accttgtttg agcagtactg tagtggtggg aatccatttg aaattcaggc caaccacaaa
gatgaagaaa cagaagatgt cttagcttct aatgggtatg aatctgatga acaagaaaag
                                                                      360
                                                                      420
agtgcctatc aagagtatga cagtgacagt gatgttcctg aggaactcaa acgagactat
gtggatgage agacaggaga tggtcctgtg aaaagtgttt ctcgggaaac tctaaaaagc
                                                                      480
                                                                      540
aggaagaaat cagattacag tctaaataaa gtgaatgcac ctatcttaac aaatacaaca
                                                                      600
ttgaacqtca taaqacttqt tggaaaatat atgcagatga tgaacattct taagccaatt
                                                                      660
qcctttgatg ttattcattt catgtctcaa ctatttgatt attacttgta tgcaatatat
accttttttg gtcggaatga ttcattggaa tcaactggac tcggccttag tagtagtaga
                                                                      720
                                                                      780
ctaaqaacaa ctctaaacaq aatacaaqaa agccttattg atctagaagt ttcagctgat
                                                                      840
cctactgcca cactcacagc agcagaagaa agaaaggaga aggtgccaag tccacacctc
aqtcacctag tggttttgac atctggggat acgttgtatg ggttggcaga aagagtggta
                                                                      900
gccacggaat ccttggtatt cttggctgaa cagtttgagt tccttcagcc acatctggat
                                                                      960
gctgtgatgc ctgcagtcaa aaagcccttt cttcagcagt tctattctca gacagtctca
                                                                     1020
                                                                     1080
accqccaqtq gaactacgga aaccaattta ctgggattgt aggctgggta aagccctttg
attatggaac agatggcttg cttctgcatg ggctaatggt ggaaatgggg atggtaaaag
                                                                     1140
                                                                     1164
gaattattgt tcacagcaca acat
```

```
<210> 2421
<211> 681
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (410)...(527)
<223> similar to gi4416404 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2421
attatttagc tttcaacatt tattctttat tttgttcccc caaacctacc tgtctctcc 60
tctcctcttt ctttggttcc ctaatttaat gttaccaaca actcatggat attaatttca 120
```

```
attagtttga atgctatttg atactctggt ctttgagaga aggcctacat aagtcaagcc
                                                                      180
actcctgccg gcagcctggc agctgtgttt tactgatgtc ttttagagac agacatcctg
                                                                      240
tgtgtgacta aatgtccaaa ggggatctat agttaactct atttttaaaa gttactgagg
                                                                      300
tacttcatca taaaaacaac aataaaaata cttcttttag gctgtttttt taggttaagt
                                                                      360
ctacctaaaa aatgatgggt ccaggttgat ttgtttgttg gttttgtgca cacagatatt
                                                                      420
gtacaaagag aacttgagca aggggactcc cctacctgtc actcctgaga tggagcgagt
                                                                      480
                                                                      540
caaactcaat caagaaaact ttagctcggt atttgggaga aagctcttta actccatatt
aaaaaataat aatttctaca aaacagaaca tctcactgtt catcccttta taataatcaa
                                                                      600
tttaacaaaa tctttttta atcacatcaa ctgaatcctt ctgttttcca gatctcctac
                                                                      660
                                                                      681
tcaccatttg attctaacaa a
```

```
<210> 2422
<211> 756
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(757)
<223> similar to gi37195 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2422
                                                                       60
qtatatqtqc tattgagtgg tatcaaccca ttcctggttg aaactaacca acagatcatt
gagaatatča tgaatgctga atatactttc gatgaggaag cattcaaaga gattagcatt
                                                                      120
gaagccatgg attttgatga ccggttgtta gtgaaagaga ggaaatctcg catgacagca
                                                                      180
teggaggete tecageacce atggttgaag cataagatag aaagagteag tactaaaggt
                                                                      240
atcagaacat taaaacaccg gcgttattac cacaccctga tcaagaaaga cctcaacatg
                                                                      300
gttgtgtcag cagcccggat ctcctgtggt ggtgcaattc gatctcagaa gggagtgagt
                                                                      360
gttgctaaag ttaaagtggc atccattgaa attggcccag tttctgggca gataatgcat
                                                                      420
                                                                      480
gcagttggtg aagaaggagg acatgtcaaa tatgtatgca aaattgaaaa ttatgatcag
tctacccaag tgacttggta ctttggcgtc cgacagctgg agaacagtga gaaatacgaa
                                                                      540
                                                                      600
atcacctacg aagatggagt ggccatcctc tatgtcaaag acattaccaa attagatgat
ggtgcctaca gatgcaaagt agtcaatgac tatggtgaag acagttctta tgcagagcta
                                                                      660
tttgttaaag gtgtgagaga agtctatgac tattactgcc gtagaaccat gaagaaaatt
                                                                      720
                                                                      756
aagcgcagaa cagacacaat gagactcctg gaaagg
```

```
<210> 2423
<211> 423
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(424)
<223> similar to gi1212992 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

```
<400> 2423
                                                                       60
accaagtgca acaagaaaac attaacggat ctgcggctca gggtaactgg tcttaccgaa
ggccattcct atgaattcag agttgctgct gaaaatgcag ctggtgtggg agaacctagt
                                                                      120
gagccatctg ttttctaccg tgcgtgtgat gccttgtatc caccaggtcc cccaagcaat
                                                                      180
ccaaaagtga cggacacttc cagatettet gtetecetgg catggagtaa gecaatttat
                                                                      240
gatggtggcg cacctgttaa aggctatgtt gtagaggtca aagaagctgc tgcggatgaa
                                                                      300
tggacaacct gcactccacc aacaggatta caaggaaagc agttcacagt gaccaagctt
                                                                      360
aaagaaaaca ctgaatataa cttccgtatt tgtgccatca attctgaagg tgtaggtgaa
                                                                      420
                                                                      423
cct
```

```
<210> 2424
<211> 516
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(519)
<223> similar to gil017427 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2424
caccagctaa agtgactgaa ttcagaaaaa gagtggttaa agaagaaaaa gtatcaattg .
                                                                      60
                                                                     120
aagctccaaa aagagaacct caacccatca aagaagtaac tataatggaa gagaaagaaa
                                                                     180
gggcttatac cctagaagaa gaagctgttt cagtacaacg ggaagaagaa tatgaggaat
atgaagaata tgattataaa gaatttgagg agtatgaacc aacagaagaa tatgaccaat
                                                                      240
atgaagaata cgaggagcgg gagtatgaac gatatgaaga gcatgaagaa tacatcacag
                                                                      300
                                                                      360
aaccaqaqaa qcctatccct gtaaagcctg tcccagaaga accagttccc acaaaaccaa
                                                                      420
aggcccacc ggctaaagtg ctgaagaaag ctgtccctga agaaaaagta ccagtgccca
ttcctaagaa actcaaacct ccaccaccca aagtgcctga agaaccaaag aaagtttttg
                                                                     . 480
                                                                      516
aggaaaaaat acatatttca attaccaaaa aaaaaa
```

```
<210> 2425
<211> 1272
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (210)...(495)
<223> similar to gi3372657 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

```
<400> 2425
ctgaaaggcc ttctctgcct ttgcttatct tgcagtcttc atagtgaaga tgggtattga
                                                                       60
aaattgtagt agcctgatag gggaactaag atttaaggga tctacttttg gtttaatcta
                                                                      120
                                                                      180
cggactactg tattgcataa tagatctgat tettgagtat ettttcagae tetagcagae
atgtatetga aacctattet tgttttecag aaatatette agageeagga gatgatgatg
                                                                      240
                                                                      300
aacccacaga aggaagettt gagggacacc aagetttegt aaatgeaatt cagatatttg
                                                                      360
ggaacttgct atatacctgt tcagcagata aaactgttcg ggtttataat ctggtgagtc
ggaaatgtat tggtgtcttt gagggtcata cctccaaagt taactgcctc ctggttactc
                                                                      420
                                                                      480
agacctccgg gaagaatgct gccctttaca ccgggtccag tgaccatacc atccgctgct
                                                                      540
ataatgttaa ggtaggtggg tccagagaaa tccaaagtgg ttcatattga gtcgcctttg
tatttactgt gtggagtgga gacactgtgg cagacgette attetaceca ceateteett
                                                                      600
                                                                      660
tttgcttcta aacaatgttt agcacattgt tgtagcccta ggtagatatg agacttacac
ataaaccata ttttctgtct ctctccacca gtattttttc acttcctact attaataata
                                                                      720
                                                                      780
taccttcctt ggtctttgcc ataaatgtta tgcatatcat atgtcaaaac taatcctaga
tagaataaag agaaaaatgt aggccgggct cagtggctca cgcctgtaat cccagcactt
                                                                      840
                                                                      900
tgggaggccg aggtgggtgg atcacctgag gtcgggagtt tgagaccagc ctgaccaaca
                                                                      960
tggagaaacc ctgtctctac taaaaataca aaattagccg ggcatggtgg cgggcgcctg
taatcccagc tactagggag gctgaggcag gagaatcgct tgaacccggg aggcggaggt
                                                                     1020
                                                                     1080
tgaggtgage tgagategeg ceattgeact ctageetggg caccaagage gaaacteegt
ctcaaaaaaa taaataaata aataaaaata aaaataaaaa taacgaagcg ttactccaga
                                                                     1140
                                                                     1200
ccattcccag gatgcctcat gcacattagg ggtgccacca tccagttctg gtggttggta
ggaacgggaa tgtgtgtgta aagaggtctg gccccacttg ggcagggaat gagtagggaa
                                                                     1260.
                                                                     1272
ggagctgtcc tt
```

```
<210> 2426
<211> 652
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(654)
<223> similar to gi1212992 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2426
                                                                       60
cggacgcgtg ggaggatgtg aatatgaata tcgtgtttat gcagaaaatg ctgctggcct
                                                                      120
aagtetteea agtgaaacet eteeettaat tagggeagaa gateeagtgt teetaeeate
tectecatee aaacecaaaa ttgtggaete aggeaagaea aetataaeta ttgeetgggt
                                                                      180
                                                                      240
taagecgetg titgatggtg gggeeeegat aactggatat actgtagaat acaaaaaate
                                                                      300
tgatgacact gactggaaaa cttccattca gagcttacga gggacagaat atacaataag
                                                                      360
cggactaaca acaggagctg aatatgtttt cagagtaaaa tctgtcaata aggttggtgc
                                                                      420
tagtgacccc agtgatagct ctgaccctca gatagcaaag gaaagagaag aagaaccttt
                                                                      480
atttgatatt gacagcgaaa tgaggaagac cttgattgtc aaggctggtg cctcatttac
                                                                      540
catgactgtg cctttccgag gaagaccagt acccaatgtc ttgtggagta agccagacac
```

```
<210> 2427
<211> 1747
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(1748)
<223> similar to gi1017427 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2427

60 ggaattcccg ggtcgacgat ttcgtatgaa gaccttgaaa cttcagcaga actcagaatc gaagctgaac caattcagtt tacaaagcgc atacagaaca tcgtggtgag tgagcatcag 120 tctgccacct ttgagtgtga agtgtccttt gatgatgcca ttgtaacatg gtacaaagga 180 240 ccaacagaac tgacagagag ccagaaatac aacttcagga atgatggccg ctgccattat 300 atgaccatec acaatgtgac eccagacgat gaaggtgtet acteggteat egeteggetg gagccaagag gtgaagcaag aagcacggca gagctgtacc taacgacgaa agaaatcaaa 360 420 cttgagctga agcctcctga tattcctgac tccagagttc caatcccaac catgcctatc 480 agagcagtge caccagaaga aateceteet gtggttgete etectateee eettttgeta ccaacaccg aagaaaagaa accaccacca aaacgtattg aagttaccaa aaaggctgtg 540 600 aagaaagatg ccaaaaaagt tgttgcaaag cccaaagaga tgacaccacg tgaagagatt gtcaagaage etecacetee tactacetta attecageaa aageteetga aateattgat 660 720 gtatcctcta aagctgaaga agtaaaaata atgactataa ccagaaagaa agaggttcag 780 aaagaaaaag aagctgtgta tgagaaaaag caagcagtcc acaaggagaa gagagtcttc attgaatett tegaagaace ttatgaegaa etggaggtag aaccatacae agageeattt 840 900 gaacaacctt attatgaaga accagatgaa gactatgaag agattaaggt agaagctaaa aaagaagttc acgaggaatg ggaagaagat tttgaagaag ggcaagaata ctatgaaagg 960 gaagaaggct atgacgaagg ggaggaagag tgggaagagg cttaccaaga aagggaagta 1020 attcaagttc aaaaggaggt ctatgaagaa tcacatgaga gaaaagttcc agccaaagta 1080 1140 cctgaaaaga aagcaccacc acctcctaaa gttataaaga agccagtaat tgaaaaaatt 1200 gaaaagactt ctcgaagaat ggaggaagaa aaagttcaag tcaccaaagt acctgaagtt tcaaagaaga ttgttccaca aaaaccttcc cggactccag tacaggaaga agttattgaa 1260 gtgaaagtac cagctgtgca tacaaagaag atggttattt cagaagaaaa gatgttcttt 1320 gcttctcaca cagaggagga ggtgtcagtc acagtccccg aggtacaaaa ggaaattgtt 1380 1440 actgaagaga aaattcacgt tgccatttcc aaaagggttg aaccaccacc taaagtccct 1500 gagetacetg agaaaceage tecagaagaa gtggeeeetg tteetateee taaaaaagtg gagcccccag caccaaaagt tcctgaggtt cccaagaaac ccgtgccaga ggagaaaaag 1560 1620 ccagttcctg tgcctaagaa ggaacctgct gctcccccaa aagtcccaga ggtgccaaag aaacctgtcc ctgaagaaaa gattcccgtt cctgttgcaa agaaaaagga agctccccca 1680 1740 gctaaagttc ctgaagtaca gaagggagtt gtgacagaag aaaaaataac cattgtaact 1747 caaagag

```
<210> 2428
<211> 484
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(428)
<223> similar to gi4850182 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2428
gattccagaa gatatgatgt caagaccagg aagtggagct ttctcttgga agagcacagt
                                                                      60
                                                                     120
aaactaattg caaaggtgcg ctgcctccca caagttcagc tggaccctct gcccacgact
ctcaccetgg cgtttgcttc tcagetcaag aagacatete tcagtetcae gecagatgte
                                                                     180
ccaqaqqcaq acctttctga agtggacccc aagctcgtgt ctaatctgat gccctttcag
                                                                     240
agagetggag teaattttge catageeaaa ggaggeegee tgetgetege tgaegaeatg
                                                                     300
ggcctgggga agaccatcca agccatctgc atcgcagcct tttaccggaa ggagtggccg
                                                                     360
                                                                     420
ctcctggtgg tggtgccatc ctccgtgcgc ttcacctggg agcaggcctt ccttcggtgg
ctgccatctc tgagcccaga ttgcatcaac gtcgtggtga ctgggaagga ccgcctgaca
                                                                     480
                                                                     484
gctg
```

```
<210> 2429
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(416)
<223> similar to gi3327098 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400>2429ggcaccgccaccaccgccgccgccacagcagcagcagcagcagctcacggcattcctgcagcagctccaggcgctcaaaccccccagaggcggggaccagaacctgctcccgacgatgagccggtccttgtcggtgccagattcgggccgcctctgggacgtacatacctcagcctcatcacagtcaggtggtgaggccagtctttgggacataccaattaactcttcgactcagggtccaattctagaacaactccagctgcaacataaattccaggagcgcagagaagtggagctcagggcgaagcgggaggaagaggacgcaagcgtcgagaggagaagcgccgccagcagcagcaggaggagcacaagcgggggaggaggaggaagagctgtttcggcgcaagcacgt
```

```
<211> 739
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (207)...(598)
<223> similar to gi5360271 in the genepept database release 114,
   Run with FASTXY 3.3t00, default parameters
```

```
<400> 2430
                                                                       60
caaccacca gaggtgagga gatagtagag gaagaaggag aagggggggtg gggggcgcga
agcacaaaga gcaaaggcaa aggcaagcac agtgacagat gagacttgag aggtgccagg
                                                                      120
                                                                      180
qqccaqqqta tgcgaggcct tggaggccag catgcagtct aggatgaggc ctcctacctt
cageetgeet gagggeeagg agetggaggg aggegagtga aggeeettet teeegtgeet
                                                                      240
                                                                      300
gcagtaatgg ctcccaggac acctttgaag catgttacag cggcacgtcc acaccttctt
                                                                      360
tccatggctc ccactgcagc ggcagcgacc acagcagtct gggcttggag cagttacagg
                                                                      420
attacatggt cacgttgcgg agtaagctgg ggcccctcga gatccagcag tttgcgatgc
                                                                      480
tgctgcggga gtaccggctg gggctgccca tccaggacta ttgcacaggc ctgctgaagc
totacggaga coggogoaag ttoctoctoc ttgggatgog gocottoato coggaccagg
                                                                      540
acateggeta ettegaggge tteetggagg gegtgggeat eegegaggge ggeateetea
                                                                      600
                                                                      660
ctgacagett eggeegeate aagegeagea tgageteeae gteggeetee geagtgegea
                                                                      720
gctacgatgg cgcggcgcag cggcccgagg cacaggcctt ccaccggctg ctggctgaca
                                                                      739
tcacgcacga catcgaggc
```

```
<210> 2431
<211> 620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (37)...(621)
<223> similar to gi5689527 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2431
gtaaccacca ctactcatag cgttggacga gggcatgagc tacagttgct taatgaagaa
                                                                       60
                                                                      120
ctgagaaaca ttgagcttga gtgtcagaat atcatgcagg ctcacaggct ccagaaagtg
                                                                      180
acagaccagt atggagacat ctggacattg catgatggag gattccggaa ttataacacc
                                                                      240
agcatagata tgcaaagggg aaagctagat gacatcatgg agcatccaga aaagtctgac
                                                                      300
aaggacagtt ctagtgctta caacacagct gagagctgca gaagtactcc gctcactgta
                                                                      360·
gaccgttccc ctgacagttc ccttccaagg gtgatcaacc tcaccaataa gaaaaacctg
                                                                      420
agaagcacaa tggcagccac ccagtcctct tccggacaga gcagtaaaga gtcgacctcc
                                                                      480
accaaagcca aaaccactga gcaaggttgt agcgctgaaa gcaaggagaa ggttttagaa
                                                                      540
ggcagcaagc ttcctgatca agagaaggca gtcagcgaac acatccctta cctctctcct
                                                                      600
taccacaget ceteatatag atatgeaaac ateccageae acgeeeggea ttateaaage
```

```
<210> 2432
<211> 418
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(421)
<223> similar to gi4826496 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2432					
gagtctgggg	ctgcctggcc	accgtgtcca	cccacaagaa	gatccaagga	ctgccatttg	60
ggaactgcct	gcccgtcagt	gatggcccct	tcaacaatag	cactgggatt	cctttcttct	120
acatgacage	caaggacccc	gtggtggctg	atctgatgaa	gaaccccatg	gcctcgctga	180
tactaccaga	atcagaaggg	gagttctgca	gaaaaaacat	cgttgatccg	gaagatcccc	240
gatgtgtcca	gttaacgctc	actggccaga	tgatcgcagt	gtctccagaa	gaagtagaat	300
ttgccaagca	agccatgttt	tcaaggcacc	cagggatgag	gaagtggcct	cgtcaatatg	360
aatqqttctt	tatgaagatg	aggatagaac	atatctggct	tcagaaatgg	tatggagg	418

```
<210> 2433
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (285)...(519)
<223> similar to gi31334 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2433
                                                                      60
aaacttcaaa aaataataag atccaagtca aaggtaagag ttactttctg aaagataata
ctgcacaggg gcaggatgta ccaggggtga gcagggtgag ttcatggcaa aggaaagccc
                                                                     120
                                                                     180
atgggccact tgggggggg gtggagacat gtagggtggc ctgtgtgtcc aactggctgt
ttetttgagt ettgttggea agtgetgaga cacaaactge etettaceag aaatteegaa
                                                                     240
ccgcattaat catttgggtt taattcctct ctctagagct gtttttgata gccagcccct
                                                                     300
cccatcccac agaggggagc ccagtgaccc tgacgtgtaa gatgcccttt ctacagagtt
                                                                     360
                                                                     420
cagatgecca gttccagttc tgctttttca gagacacccg ggccttgggc ccaggctgga
gcagctcccc caagctccag atcgctgcca tgtggaaaga agacacaggg tcatactggt
                                                                     480
                                                                     540
gcgaggcaca gacaatggcg tccaaagtct tgaggagcag gagatcccag ataaatgtgc
```

```
acagggtccc tgtcgctgat gtgagcttgg agactcagcc cccaggagga caggtgatgg 600
agggagacag gctggtcctc atctgctcag ttgctatggg cacag 645
```

```
<210> 2434
<211> 504
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (329)...(425)
<223> similar to gi2914017 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2434				*	
		actgcccagg	ccttgggcag	tttccttatc	tgagtgggag	60
ccctggaage	ccacactgcc	tccttgggaa	actottaaat	ctcacctttg	ggtaactgct	120
gaagcagaag	gcacagcaca	gagcaatcat	gagattgcat	ttgtgatgca	tccttgaggg	180
cadadaadac	cacaaaggat	ggctctgtgc	qtqqccagtc	gctgctgtgg	ccgggtccca	240
tttacagaga	ggtctgtgag	ggtgaggagg	agtggaggtt	tttctgcatg	tgcttctggg	300
cttgcatagt	aaqaqqattt	acttcccagc	tcttcatctt	gctgtcatgc	acgggcggct	360
caacaacatc	cagattetee	tgacagagtg	cacagtggac	gccgaagcct	ttaatctcag	420
ataaacacat	tagacccaag	taggccccgc	ggcgcctggc	ctgctgctca	cagctgctgg	480
	ctcccatcag			•		504

```
<210> 2435
<211> 742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(378)
<223> similar to gi3881530 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2435
cttttatgtt agtaatcgaa aagatggatt ttgccttagc ggtagtatcc tggctaagtc 60
taagttttat ggaaactcat tatctgcaat attagaggga gaagcacggt taactttctt 120
gaatagaggt gaagattatg taatgacaat gccatacgct cattgtaaag gaattcttta 180
tggtacaatg acactggagc ttggtggaac agtcaatatt acatgtcaaa aaactggata 240
cagtgcaata cttgaattta aactaaagcc attcctaggg agtagtgact gtgttaatca 300
aatatcaggg aaacttaaac tgggaaaaga agtcctagct actttggaag gtcattgggt 360
```

```
aagtattttg tatatgagct ttacaaaaag aattttatte tgtgggaaaa aaaaaatcae 420 atttaaaatt taaaacttat teegttgetg aaaacatcae tatttaacat aagetteate 480 ttaatatecaa aacttaaaat eagtagaaat agetaacaet tatatatgae ttaetgeatt 540 ttattteeaa aacttaaaat eagtagaaat agetaacaet tatatatgae ttaetgeatt 600 atttaagaat gttacteata ttaactgatt taatatttat aacatataae getatgaggt 660 gagtatatag gtgecatgee cattttatta ttgtttatta ttggeeecat tttaeagaag 720 aggacactga ggeacagaga gt
```

```
<210> 2436
<211> 438
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(439)
<223> similar to gil679607 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2436
ctcgaggcct tcggcaacgc caagactgtg cgcaacaaca attccagccg ctttggcaag
                                                                       60
                                                                      120
tactttgaga tccagttcag ccgaggtggg gagccagatg ggggcaagat ctccaacttc
                                                                      180
ttgctggaga agtcccgcgt ggtcatgcaa aatgaaaatg agaggaactt ccacatctac
                                                                      240
taccagetge tggaagggge etcecaggag caaaggeaga acetgggeet catgacaceg
                                                                      300
gactactatt actacctcaa ccaatcggac acctaccagg tggacggcac ggacgacaga
agegaetttg gtgagaetet gagtgetatg caggttattg ggatecegee cageatecag
                                                                      360
                                                                      420
cagctggtcc tgcagctcgt ggcggggatc ttgcacctgg ggaacatcag tttctgtgaa
                                                                      438
gacgggaatt acgcccgg
```

```
<210> 2437
<211> 422
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (197)...(424)
<223> similar to gi516515 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2437
ctctgctgcc tgtgagctgg agcccactca ctcctgctgc tcccacgaag cttcccatcc 60
atttactttc tgcaaacctt catggagcgt cattggcctt gaagaagcag caatggaaat 120
```

```
tcaattccag gctctccaac cagactttgc aaagtggatc tttgcagctc ctgctctgat 180 cacgccctgg ttttgtcctg tcccctcggt ggtgaggacc gagatcttcc tgcagtcctc 240 ccggcgggca gctttcatgg tggacggggc agtgcactgg ctcaccaact tcatcatagg 300 cttcctgttc ccatccatcc aggaggccat cggtgcctac agtttcatca tctttgccgg aatctgcctc ctcactgcga tttacatcta cgtggttatt ccggagacca agggcaaaac 420 at
```

```
<210> 2438
<211> 749
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3) . . (158)
<223> similar to gi3417295 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

,<400> 2438 cttttttgta taccaatcgc caaacttgtc aggactggct aacgcggatt cgactctcca 60 tcatgagggt aggattgttg gcaggccagc ctgcagtgac agtgagacat ggctttgact 120 tgcttacaga gatgaaaaca accagcctat ctcaggtaaa gtggtgtgtt tgaaattcat 180 tttaagtctg ttaataagaa aaacatggtt taattccttt ggtatgattt aatctatgga 240 300 taaaataagt taaagcttgg attcattttc aaaggttttg atcctgtatt ttgtaaaagc aacaactgcc agagttacct attttattcg tgttaaaaca gtgttagaag tcaaaataat 360 420 gttcatgttt ttgttcatgt taaaacaata ttcatgttag aacacgttaa aactctattt cttccgtgca aagtttagaa ctttaaaggt aattctgaaa atttgtttat gggggaaaat 480 ttttatttat ttatttattt ttttgagccg agatcgtgcc actgcactct tttagcctgg 540 gcaacaacag tgaaactcca tctcaaaata aataaataaa taaataaaaa taataatact 600 ttttttcca tttaaaattt tctcagtttc tcctagtgtg cagtgcgctc tcattgtcag 660 720 gggaccgctg tggggaaagg ggtcggacag ctctgcactg ggcagttccc tgctccctgg 749 aaggetttee catgtttata tttttettt

```
<210> 2439
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (660)
<223> n = a,t,c or g

<220>
<221> misc_feature
<(222) (1) ... (366)
```

<223> similar to gi1871199 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2439
cacaccaaac ttaacaaaac ttacaacagt agttacctgt ggggaggaag attaggtccc
                                                                 60
ctgtcctcct ttgagtaaca ataaaagaaa aaaaccttga aaaaatgacc tcttgacttg
                                                                120
tggaactgtt attttcatag ttagtaggag tttaaccttg ctctggtctc accttctcat
                                                                180
ccccagataa aagctgagga tgaccagccc ctcccgggag tcctcttatc cctgagcggt
                                                                240
ggcctgtttc gttccaacct cttgacccag gacaacggca ttctgacatt ctcaaacctg
                                                                300
gtaacgtgtt ctgcaattta ccacctgcct gtcttccctg agagagagcc aggatgcagc
                                                                360
420
agtttcttgg gggcccacgg tcattagagt attgctctta ctcgaactta atgctgctga
                                                                480
ttcatgttcc cttccacacg cgcttcttgt tttctgatca cccacttgtc actaagacag
                                                                540
                                                                600
tqtaattaat ttccctqqcc acaactggct gctctcttag ggcatcttct cggttttgcc
                                                                659
acqqaaatca tgcttatgat ggctgangtc tggtttgggt ggtaaggctg gcgttttct
```

```
<210> 2440
<211> 483
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (276)...(471)
<223> similar to gi2688800 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2440
catttagatt tgatacgaga aacagtagcg ccccattcga gaggataagt atgcctcaaa
                                                                       60
cacaggagtt cttgggaaga gaattatcac aagagacaac ttctgttggg tgttggccag
                                                                      120
                                                                      180
tqtccctcqt cccccaccc tgggtcccca ctgctttacc tcttgctttg cagcettctc
                                                                      240
tecteacage ettectgtgg etgtgttttt ggeeetgata geeecatgge acaactgeac
tttgcctcac ctaggcctgt ggcttcttgc ctggcaggtg ccacttctcc acttttaagc
                                                                      300
agtgccaaga gtggctctca cggctaagcc gagccacagc aagacctgcc aagcctgaag
                                                                      360
acctetttge etttgeetae catgeetggt geetgggget gaeegaggag gaeeageaea
                                                                      420
ctcacctatg tcagccaggt gagcacatac gttgtcgagc cgggaatccg gccggtccgc
                                                                      480
                                                                      483
atg
```

```
<210> 2441
<211> 968
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (858)...(968)
<223> similar to gil765864 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2441
ggaggcaggg agaaaggagg tgaggccagt tgggaagggg tacactcagg ggacttaacg
                                                                       60
cctggcaatg tatcgtttat tcaactgagt gctggatact caagtatccc atatattatt
ctatacacct ttttgtgtgc cttaactaat gcatttttta aagtcagttt ttctgtgata
                                                                      180
tcagacaaat actttagcat ttagattctc tttctctcac tgaattgact agtaaattca
                                                                      240
gttatgaata atttagccca aaattaacct agcaaggatt tcacctgcaa attaaattta
                                                                      300
                                                                      360
ttttctqcca aaggacttaa gttccaaccc agaaaccccc ttttacaaag cactcactct
tacttttctg attgtttaaa taaaggcaag taattccttt tccctcttca ctctgtggta
                                                                      420
                                                                      480
caqttctqaa gaataacttc atttgttttg tgaatgtttg aaattcacca ggcaaaagcc
                                                                      540
acaqctaata gattgtagta acatagaaat gccacgtgcc acagatccca cctccttgct
                                                                      600
cetgtecetg etectgetag eteaacettt teeetgeact gacaggeatt gtagactaeg
ggtcaagcca gctttgaagc caagcacatc tggcttcaaa tcctaactcc atccccaact
                                                                      660
acttgtatga cctgacccta agcagatagt ttctctcctt ggattctgtc aagggggaaa
                                                                      720
                                                                      780
atacttccct tacaaggttg ctgtgaaaat aaagtgtgat aatacatgaa aagcaccttg
cacatagtag gtgcctaaca cacatctgta tgccctagcc gccagacccc tgccagatga
                                                                      840
                                                                      900
ttttattttc ccctagtggt tctgttcatc ggagtcaaac tgactatgct tttgcgactg
                                                                      960
gcaacttgag ggggagattc ttctccactg aaacccgtgg gagcctagca ccctatgaag
                                                                      968
gcaggagg
```

```
<210> 2442
<211> 444
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(425)
<223> similar to gi3881698 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2442
ctctggtcag gtgatccaaa aggaaactgt tggtgggacg acttacttct atacagacac
                                                                       60
                                                                      120
aactccagca cctttgactg gaatggtgtt tccaaactat catatttatc ctccaactgc
acctcacgtt gcttatatgc aaccgaaagc aaacgcacct tccttcttca tggctgatga
                                                                      180
                                                                      240
actocgaçag gagotgatca acagacattt aataacaatg gotcaaattg atcaagcaga
tatgccagca gttcctacag aggttgacag ctaccatagc ctattccctc tagaaccact
                                                                      300
                                                                      360
gccacctccc aaccggatac agaaatcaag taattttgga tatattacat cttgctacaa
agetgtaaac agcaaagatg atetgecata ttgeettegg aggatacatg gttttegtet
                                                                      420
                                                                      444
tgttaacaca aagtgcatgg tgtt
```

```
<210> 2443
<211> 464
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(465)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (53)...(457)
<223> similar to gi3877162 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2443 60 tacgttccnn nnncgaattc ccgggtcgac gggaggcagg aggtggcggg agggggtcgt gaagtctagc ttcacgtatc tgctgctgga ccccagggag actcaggacc tgccagcccg 120 agecttetea etgaececag etgagegeet teagaettte ateegtgeea tettetaegt 180 gggcaaaggg acgagggccc ggccatatgt ccacctctgg gaggcccttg gtcaccatgg 240 geggtcaaga aaacageece accaggeetg ceccaaggtg egtcagatet tggacatetg 300 36Ô ggccagtggt tgcggcgttg tgtccctaca ttgcttccag cacgtggtcg ctgtggaggc ttatacacgg gaggcgtgta ttgtggaagc cctagggatc cagacgctca ccaaccagaa 420 gcaagggcac tgctatggag tggtggcagg ctggccacct gctc 464

```
<210> 2444
<211> 1015
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (247)...(662)
<223> similar to gi2854153 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2444
gaattcccgg gtcgacgatt tcgtggctgg tcttgaactc ctgggctcaa gcaatctgcc 60
cacctcagcc tcccaaagtg ctgggattac aggcgggagc catggtgccc ggccaatcta 120
taaattctta ccaacaagt aagattattc tgccttttaa aaaatgtttc aactgcacct ttaaaaaata gcatatataa agctttcaga tactcaaata acgtttatat tctcttcatt 240
catcaaggga aaagagttc tttttacaaa cgagcccaaa tccttgtagc agatacgtgg 300
agtgtattgg aaggaaaagg agatggctgc ttcaaggaca tctccagtat caccatgttt 360
```

```
420
qctgattata gattacctca ggttcttgct catcttggag ccctgaaata ctctgatgac
ctactgaaga agcttctcaa aggagaaatg ctctcatatg gagacaggca agaggtggaa
                                                                      480
                                                                      540
atcagagggt gctcgctttg gtgtgttgag ctgatccggg attgtcttct ggagcttatt
gaacaaaagg gtgaaaaacc taatggagag atcaattcca ttcttctgga ttattactta
                                                                      600
tgggactatg cccatgacca tagggaagat atgaaaggaa ttccgtttca tcgcatacgt
                                                                      660
                                                                      720
tqcatatatt attgacctca agtgtaaact gatccaaaga aaaccccctg cgttttatat
catatcatct gtacagtttt gctttgatat ttagagaaca tgatcgaggt tataggaaat
                                                                      780
                                                                      840
tgattgccca ttctcacttg aaaaatactt cctaggccgg gcacagtggt ttatgcctgt
                                                                      900
aatcccagca ctgtgggagg ctgaggcggg tggatcatct gaggtcagga gtttgagacc
acctggccaa catggtgaaa ccccatctct actaaaaata caaaattagc tgggcgtggt
                                                                      960
                                                                     1015
ggcacgtgcc tgtaatccca gttacttggg aggctgaggc aagagaatcg cttga
```

```
<210> 2445
<211> 470
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(358)
<223> similar to gi3882307 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2445
                                                                       60
ggaaaacctg cagaagctgg tccacattga gcacagcgtc cggggccaag gggatctcct
                                                                      120
ccagccagga agggagtttc tgaaggaagg gacgctgatg aaagtaacag ggaaaaacag
acggccccgg cacctatttc tgatgaacga tgtgctcctg tacacctatc cccagaagga
                                                                      180
                                                                      240
tgggaagtac cggctgaaga acacattggc tgtggccaac atgaaggtca gccgcctgt
gatggagaaa gtgccctacg ctctaaagat tgagacttcc gagtcctgcc tgatgctgtc
                                                                      300
                                                                      360
tgcgagetee tgtgeagaga gggaegagtg gtatggetgt etgageagag eeeteeetga
ggactacaag gcccaggcgc tggctgcatt ccaccatagc gtggagatac gagagaggct
                                                                      420
                                                                      470
gggggttagc cttggggaga ggccccccac cctggtgcct gtcacacacg
```

```
<210> 2446
<211> 416
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(417)
<223> similar to gi3043612 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2446
tttcgtacag atgctcgggt agccatcacc atctattacc aggccacgga agagttccag
aatggtattg ccagctacat tcccaaagac aacagcctcc agtcggagac tgtgcagtac
aagcgaggag tgtgtcagca gttctgcctg ccctcccaca ccgtggatcc ctccgagtgg
gccgaagagg agcttggctt tgatttagac cgagaagttt accctctagt ggtacatgcc
gtggtggatg aaggagacga gtattttggc cattgccatg tactgctggg tacttttgag
aagcacacag atggaacttt ctgtgtcaag cccctcaaac agaaacaagt agtagacggg
gtcagctacc tccttcagga gatctatgga attgaaaaca agtacaacac acaaga
416
```

```
<210> 2447
<211> 935
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(577)
<223> similar to gi4587569 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2447
                                                                       60
cccacgcgtc cgctcaaaac ataatttctg tttcatggag atgaatacaa ggctgcaagt
ggaacateet gttactgaga tgateacagg aactgaettg gtggagtgge agettagaat
                                                                      120
                                                                      180
tgcagcagga gagaagattc ctttgagcca ggaagaaata actctgcagg gccatgcctt
                                                                      240
cgaagctaga atatatgcag aagatcctag caataacttc atgcctgtgg caggcccatt
                                                                      300
agtgcacctc totactcctc gagcagaccc ttccaccagg attgaaactg gagtacggca
                                                                      360
aggagacgaa gtttccgtgc attatgaccc catgattgcg aagctggtcg tgtgggcagc
agatogocag goggoattga caaaactgag gtacagoott cgtcagtaca atattgttgg
                                                                      420
actgcacacc aacattgact tettactcaa cetgtetgge cacccagagt ttgaagetgg
                                                                      480
                                                                      540.
gaacgtgcac actgatttca tccctcaaca ccacaaacag ttgttgctca gtcggaaggc
tgcagccaaa gagtctttat gccaggcagc cctgggtctc atcctcaagg agaaagccat
                                                                      600
gaccgacact ttcactcttc aggcacatga tcaattctct ccattttcgt ctagcagtgg
                                                                      660
aagaagactg aatatetegt ataccagaaa catgactett aaagatggta aaaacagtaa
                                                                      720
gtaatgtttc attaaaagag aaatgtgagt catagaaatg tatcacatta atctgaaaaa
                                                                      780
gaggattcca gcctggccat gatcagtcag ttacattttt taaatgccta ggctaaacat
                                                                      840
tggagggaaa tatgccaata taatagaatt gattggctct gggtagtaga gttgatggta
                                                                      900
                                                                      935
tttgcttttc ttctttacac tttttaaaaa atttg
```

```
<210> 2448
<211> 412
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (8)...(414)
<223> similar to gi37195 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 2448

tttcgtgagt tctgttagct tgtcctggtc ccggcccaaa gatgatggtg gttctagagt 60

cacaggctac tacatcgaac gcaaagagac atccactgac aagtgggtca gacacaacaa 120

gactcagatc accaccaca tgtacactgt cacagggctt gttcccgatg ctgagtatca 180

gttccgcatc atcgcacaga atgatgttgg cctgagtgag accagccctg cttctgaacc 240

agttgtttgc aaagatccat ttgataaacc aagccaacca ggagaacttg agattctttc 300

aatatccaaa gatagtgtca ctctacagtg ggagaaacct gaatgtgatg gtggtaaaga 360

aattcttgga tactgggttg aatatagaca gtctggagac agtgcctgga aa 412

<210> 2449
<211> 511
<212> DNA
<213> Homo sapiens

<220>
<221> misc\_feature
<222> (267)...(430)
<223> similar to gi4583557 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 2449 cccacgcgtc cggtttcatg ttgaagaaaa tcagtgttgg ggttgcagga gacctaaaca 60 cagteaceat gaagetggge tgtgteetea tggeetggge eetetacett teeettggtg 120 tgctctgggt ggcccagatg ctactggctg ccagttttga gacgctgcag tgtgagggac 180 ctgtctgcac tgaggagagc agctgccaca cggaggatga cttgactgat gcaagggaag 240 ctggcttcca ggtcaaggcc tacactttca gtgaaccett ccacctgatt gtgtcctatg 300 actggctgat cctccaaggt ccagccaagc cagtttttga aggggacctg ctggttctgc 360 gctgccaggc ctggcaagac tggccactga ctcaggtgac cttctaccga gatggctcag 420 ctctgggtcc ccccgggcct aacagggaat tcttccatcc accggtgggt aacaaaaggg 480 511 cagacaagcc gggcaactaa ccaattgcag t

```
<210> 2450
<211> 504
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (1)...(505)
```

```
<220>
<221> misc_feature
<222> (64)...(223)
<223> similar to gi5689399 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2450
                                                                       60
gtcgacgatt tcgtgaaatg aattgtttga ttgctgactt tattctttgg tcttacacac
                                                                      120
cagggtttcc atgataaagt tttggaggac tgcaatatag tcctcagttt aaatgccagt
aactgcaaag ctctgtatcg gaaatctaag gctttaagtg atttaggaag atacaaaaag
                                                                      180
gettacgatg etgtageaaa gtgeteetta geagtgeete aggtatggaa tttatagttt
                                                                      240
                                                                      300
atttgtttac atcgtaacca tttacatcat aataaatggc atttaaagag ttaaattttc
cagicateca teaacetget teagitiggi ataatigeta atgaageagg tgictigatg
                                                                      360
ggaaacttcc ctgttttgtc tattcttctt caccattagt aaatataacc ctgttaatta
                                                                      420
                                                                      480
tacatactta tttttttcag gatgagcatg taatanaact aactcaagaa ctagctcaga
                                                                      504
aaatggggat taaaataaga aaag
```

```
<210> 2451
<211> 913
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(538)
<223> similar to gi3098418 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
· <400> 2451
                                                                       60
ttttcggcac gaggaaaacc acagccaaca ggagccacac agatagtgca ggaacgcccc
atgtgtctgg tgggaagatg ctcagtgctc tggagtccac ggtgcctccc agccagcctc
                                                                      120
cacctgtggg cacctcagcc atccacatga gcctgcttga gatgaggcgg agcgtggcgg
                                                                      180
                                                                      240
aactcagget ccagetecag cagatgegge agetecaget gcagaaccag gagttgetga
gggcaatgat gaagaaggcc gagctggaaa tcagtggcaa agtgatggaa acaatgaaga
                                                                      300
                                                                      360
gactggagga tcccgtgcag cgacagcgcg tcctagtgga gcaagagaga caaaaatatc
                                                                      420
ttcatgagga agagaagatc gtcaagaagt tgtgcgagtt ggaagacttt gttgaagact
tgaagaagga ctccacggca gccagccgat tggttactct gaaagacgtg gaagacgggg
                                                                      480
                                                                      540
ctttcctcct gcgtcaagtg ggagaggctg tagctaccct gaaaggtaaa ctttctgctg
ggtcggggga ggagtctgag ctgtctttcc tgcggtgttt aaaaatctgc cacatagagg
                                                                      600
                                                                      660
attcattcat gttatgcaag tatttattta aacgtcttac atgtgccagg gcattgttct
                                                                      720
ggacacttgg gaatacccca cagcacaaag taggtgcaca tcccccctct tcttggagct
                                                                      780
ggtattagag tgggtgctgt aagatttcac actaaatgat tccagtaaca ctttctattt
gctaggctct tacagtgcac cgggatgcat gtgccaaacc cgtttaaaaa cacaaggtgg
                                                                      840
ggagggatca cttggattcc ccagggagtt tcaagaccag cctgggcaat atagagagac
                                                                      900
                                                                      913
tcacatctct acc
```

<400> 2452					
tttcgtggag ggtcccc	ata ttgcccatca	ggcagcggct	gttcctgttt	ccccgagggc	7 60
tcggaggtac tgaaggt					120
tacageettg taaatgg					180
tccatcactc agagccc	ggc ccagctccag	agagaggtgt	atgagctgca	tgtacaggtg	240
actgaaatga gccctgc					300
attgtggacc tcaacaa					360
tttgagctgt ccatgaa					420
accgtcaatg actccga					446
5 5					

```
<210> 2453
<211> 505
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (273)...(358)
<223> similar to gi3395490 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2453
tttcgttggg agctggctgg gcagggtggg gagcccttcc cagagcagtg ggccccctt tccactccag cccatttctc tcctgtggcc tgtggctcag ctttctcctg ggacagagtc cttcctgtgg ggaagggaca gatgacaggg ggagtggggg gatgagggcg tggccgtggg gaggggacaggggacag cccaggtttg atctagggac ctctggggta gcagggcttg gggacccacc 240
```

```
tgaccacage atgecetget etgtgeetea cagaactaca ggateteatg cacateteae 300 gggeeeggaa gecagegtte ateetggget ceatgaggga egagaagegg aegtaagtgg 360 ategagateg gtggeagage ggegaaegtg tgegetttee tgeeeeteae ceaeeeeetg 420 ttgagggete agggetttae tetetgeaee etcaeageeg gegaagtgge tetgeteeta gtettatagt tettageaga gacag 505
```

```
<210> 2454
<211> 392
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5) ... (361)
<223> similar to gi3875538 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2454					•
cctccccact	gtcccagtca	catcccaacc	ctctcacgct	taccagagtc	ccgggcagcc	60
	gcaggtagtt					120
	tgccaaagct					180
	tctggtgaaa					240
	ttcttagcac					300
	cctccacggc					360
	cagtgctcct					392

```
<210> 2455
<211> 500
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (93)...(425)
<223> similar to gill09880 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2455
gtccggaatt cccgtttcga cgatttcgtg ctaatgagaa gctagataaa acaaaggccg 60
agttagatca agaagccttg atcattggca atctggctac agaagcacat ttaatcatcc 120
tggatatgca ggaaaacatt atccaggcga gctcggctct ggactgtaaa gacagcctgc tggggaggtgt tctgagggtg ctggtgaatt ctctgaactg tgatcagagt accacctacc 240
tgactcactg ctttgcaaca ctccgtgctc tcatcgccaa gtttggagac ttactcttcg 300
```

```
aagaggaggt ggaacagtgt ttcgacctat gtcaccaagt cctgcaccac tgcagcagca 360 gcatggatgt cacccggagc caagcctgtg ccacccttta cctcctcatg aggttcagtt 420 ttggagccac cagtgtaaga gttcaaacca gctgagtgac ctggaatcag tagagaaaaa 480 ttgatgtaaa gcatcagctg
```

```
<210> 2456
<211> 717
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (276)...(441)
<223> similar to gi4220590 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2456
                                                                      60
agetetggte teteagggee teceageage tgtggetgaa geagageege aggggeettt
gttaagacag tocatgoocc ctggccccgc atccccgtca cccctgccgg ggctggtttc
                                                                     120
tcatggtcag cggttcccag ccagggagga gaaacctcgc tgtgggcatt cgagtttgcg
                                                                     180
ccctggttcc agagcatccc agtgtccgag aaccaaggtg gtctcccgtc agttttcctc
                                                                     240
acccepttgg gatgccagac ttccctcatt cctcacaggt caatgagtac gtcgatgctc
                                                                     300
                                                                     360
gggacacgaa catgggggcg tggtttgagg cgcaggtggt cagggtgacg cggaaggccc
                                                                      420
cctcccggga cgagccctgc agctccacgt ccaggccggc gctggaggag gacgtcattt
                                                                     480
accacgtgaa atacgacaag tgagtcatgg caggtggacg ggcctgggta ttcaggctct
                                                                      540
gtgacgcgca tccttggctg cgggtgttca ggccagaact tggcactgtc tcgagatggt
gatcaggatc tggggcccca tcctagaatt cctaacagca tacgaggctg cccacttggg
                                                                      600
                                                                      660
gactagectg agaaccegaa gacggetgee eceteetgtg taaaaacgga gggttetget
                                                                      717
cgatcagtgg ctgaaactgc cacgaaatcg tcggcccggg aattccgacc ggaagtc
```

```
<210> 2457
<211> 401
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(402)
<223> similar to gi3878739 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2457
tttcgtgctt taaagttggt tctgctggcc ttagaagatg gttctgcttt gtcaagaaaa 60
```

```
gtattggttc tgtttgtggt gcaaagattg gagccacggt ttcctcaagc ctctaaaact 120 agcattggc atgttgttca gctcctttat agagcctcct gtttcaaggt caccaaacgt 180 gatgaagact cttcttgat gcagctgaaa gaagaattta gaacctatga agctctgcgg 240 cgagaacatg actcccagat agtgcagatt gctatggaag caggcttacg aattgcaccg 300 gaccagtggt cctctttgct ttatggagac cagtctcaca aatctcatat gcagtccatt attgacaaga ctccagcctc ttttgcacag agtgttcagg a 401
```

```
<210> 2458
<211> 679
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(680)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (107)...(414)
<223> similar to gi1052790 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2458
agacatcatt gacgtggatg aggaaccagt agcagcggag ccagactatg tgcagccca
                                                                       60
                                                                      120
gctgaggcgg ccctttgagc tgctgattgc tgccgccatg gagcggaacc ccacccaatt
                                                                      180
teagttqccc aatgaactga cttgtaccac tgcactacca ggttctagca agaggagaag
                                                                      240
aaaggaggaa accacaggga aaaatgttaa gaagacacag catgaattag atcacaatgg
totogttoco ttaccogtca aagtotgott cacgtgtaac aggagttgcc gtgtggctcc
                                                                      300
teteatecag tgtgactatt geceteteet gttteacatg gattgeeteg ageegeeget
                                                                      360
                                                                      420
cactgccatg cccctgggca gatggatgtg tccgaatcac atcgaacatg tggtgctgaa
                                                                      480
ccagaagaat atgacactga gcaatcggtg ccaggtgttt gatcgtttcc aggacaccgt
                                                                      540
ttegeageat gtegteaaag tggaetteet gaacegaate cacaagaage accecctaa
                                                                      600
ccggcgtgtg ctccagtcgg tcaaaagaag aagcttgaag gttcctgatg ctataaaatc
teagtaceag tttecacece eteteattge accegeggee attegggacg gngagetgat
                                                                      660
                                                                      679
ctgcaatggg atccctgag
```

```
<210> 2459
<211> 425
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (221)...(424)
<223> similar to gi5916205 in the genepept database release 114,
```

## Run with FASTXY 3.3t00, default parameters

```
<400> 2459
tttcgtgcag ccttcgggaa gtcctgcagg agccgcgttc caggagggca gctggcagcc
                                                                       60
gccccaggcc cccgggccgc ctgcaggtga ttaggctaat gagctgcccc gggggcgcgg
                                                                      120
agaccggcct ggcgagcgga ttacccggcg cccagctgct gccggcggag actcccagga
                                                                      180
                                                                      240
gctccggaga ggaaccctcc gaaggtgact tcagaactgg agttacctgg ctgagcagtg
                                                                      300
ctggaatggc ggctttatct acctgatcat gctgcgtcgc tttaagcaca aagcccactc
cacttataat ggcaacagta gcaacagctc tgaaccagga gaaacaccta ccttggagct
                                                                      360
                                                                      420
gggtgaccga actgcgaaaa aggggaaacg aaccagaaag tttggggtca tctccaggcc
                                                                      425
tcctg
```

```
<210> 2460
<211> 614
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(277)
<223> similar to gil64070 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2460
                                                                       60
ccagaaactg tttggtatga tcattaccat tgggcaagcc attgtgtatg tcatgacggg
gatgtatggg gaccctgcag aaatgggtgc tggaatctgt ctcctgatca tcattcagtt
                                                                      120
                                                                      180
gtttgttgct ggtttgattg tgctgctgtt agatgagctg ctacagaagg gttacggctt
ggggtctggg atttccctct ttattgccac caacatctgt gagaccattg tctggaaggc
                                                                      240
ctttagtccc actaccatta acactggcag aggtacatcg cacagcgact gcaactgcac
                                                                      300
gcgttttgct ggatgtgtgc tgggaacaaa cccatcgtgt cgcagtacat gcctagagcc
                                                                      360
gttctggatt gctctcctag gggataagga atgcgaattc ttcaaaactt aatgagcaga
                                                                      420
gatttgtgga gtaagcaata ctacctcaga gagaatagta tcaaaatttt agtctctgct
                                                                      480
tatttaaaat ttcagtggtt gcaaacagat tttcaaaatt tcttttgtta accttgctta
                                                                      540
aggeattget geagaagtea titatitgae tgattteage ateegtaggg ggataaaaag
                                                                      600
                                                                      614
gtagtggatt ttaa
```

```
<210> 2461
<211> 591
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (41)...(491)
<223> similar to gi3983137 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```
<400> 2461
tttcgtggag gaggagaaca tccgcgtggt tcgttgtggc ggcagcgagt tgaactttag
                                                                       60
gagagetgtg ttetetgeag attetaagta tatettetgt gtetetggag aetttgttaa
                                                                      120
                                                                      180
agtttacage acagttacag aagagtgtgt acacatactg catggacaca gaaatetggt
gactggaatc cagcttaacc ccaacaacca tctacagctg tattcttgtt cccttgatgg
                                                                     .240
cacaattaaa ctgtgggact atatagatgg catcttaata aagactttca tagttggatg
                                                                      300
                                                                      360
tadacticat goodtottta ctottgooda agotgaggat totgtotttg ttatagtgaa
taaagaaaaa ccagatatat ttcagctggt ttcagtgaaa ctgccaaaat cctcaagcca
                                                                      420
ggaagtagaa gcaaaggagc tgtcctttgt tttggattac ataaaccagt cacccaagtg
                                                                      480
                                                                      540
cattgeettt ggaaacgagg gagtatatgt tgetgeagta egggaattit aettgtetgt
ttattttttc aaaaaggaaa caacatcaag ggttacttta tcatcatcaa g
                                                                      591
```

<210> 2462

<211> 585

<212> DNA

<213> Homo sapiens

<220>

<221> misc\_feature

<222> (6) ... (393)

<223> similar to gi4006920 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2462
tttegttcag cttccacage gtgtctggaa ttctggtttg ccaggeggge tgegteetgg
                                                                      60
aggagetgag eeggtatgtg gaggaaeggg aetteateat geegetggae ttaggageea
                                                                     120
agggcagctg ccacatcggg ggaaacgtgg caaccaacgc tggaggcctg cggtttcttc
                                                                     180
                                                                     240
gatatggete actgeatggg actgteetgg geetggaagt ggtgetggee gaeggeactg
teetggactg cetgaeetee etgaggaagg acaacaeggg etatgaeetg aageagetgt
                                                                     300
teategggte ggagggeact ttggggatea teaceaeggt gtecatettg tgtecaeeea
                                                                     360
ageccaggge tgtgaacgtg gettteeteg geetgettea éteacageca ettetteggt
                                                                      420
tetectggga cetgeetgeg geteetttet tgetteattt gaategggeg ggtttateea
                                                                      480
                                                                      540
gcatttcctc ctcaggagtt cagaagtcgc acagcccggc agtcttcgcg cgggaggtgg
                                                                      585
cgggtctagc tcaccaactc ccagttcggt gtcttgagct gccgg
```

<210> 2463

<211> 408

<212> DNA

<213> Homo sapiens

```
<220>
<221> misc_feature
<222> (221)...(398)
<223> similar to gi3877428 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<210> 2464
<211> 406
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(408)
<223> similar to gi4261548 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 2464

ggttcgggaa tctggactgt acagatgcca ggcccggggc tccccacgaa gtaaccctgt 60

gcgcttgctc ttttcttcag actccttaat cctgcaggca ccatattctg tgtttgaagg 120

tgacacattg gttctgagat gccacagaag aaggaaagag aaattgactg ctgtgaaata 180

tacttggaat ggaaacattc tttccatttc taataaaagc tgggatcttc ttatcccaca agcaagttca aataacaatg gcaattatcg atgcattgga tatggagatg agaatgatgt 300

atttagatca aatttcaaaa taattaaaat tcaagaacta tttccacatc cagagctgaa 360

agctacagac tctcagccta cagaggggaa ttctgtaaac ctgagc 406
```

```
<210> 2465
<211> 1131
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

<222> (37)...(1132) <223> similar to gi951231 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2465
                                                                       60
acatctgtcc gtgtggtgga attcgaggat tcagctgaaa aagaagtttt taagagtgac
                                                                      120
tattacaaca aagttccagt tagtaaaatt ctaggcaagt gtgtggtcat gtttgtcaag
                                                                      180
gaatacttta agttatgccc agaaaacttc cgagatgagg atgtttttgt ctgtgaatca
                                                                      240
cggtattctg ccaaaaccaa atcttttaag aaaattaaac tgtggaccat gcccatcagc
tcagtcaggt ttgtccctcg ggatgtgcct ctgcctgtgg ttcgcgtggc ctctgtattt
                                                                      300
gcaaatgcag ataaaggtga tgatgagaag aatacagaca actcagagga cagtcgagct
                                                                      360
                                                                      420
gaagacaatt ttaacttgga aaaggaaaaa gaagatgtcc ctgtggaaat gtccaatggt
                                                                      480
gaaccaggtt gccactactt tgagcagctc cattacaatg acatgtggct gaaggttggc
gactgtgtct tcatcaagtc ccatggcctg gtgcgtcctc gtgtgggcag aattgaaaaa
                                                                      540
gtatgggttc gagatggagc tgcatatttt tatggcccca tcttcattca ccctgaagaa
                                                                      600
acagagcatg agcccacaaa aatgttctac aaaaaagaag tatttctgag taatctggaa
                                                                      660
gaaacctgcc ccatgacatg tattctcgga aagtgtgctg tgttgtcatt caaggacttc
                                                                      720
                                                                      780
ctctcctgca ggccaactga aataccagaa aatgacattc tgctttgtga gagccgctac
aatgagagg acaagcagat gaagaaattc aaaggattga agaggttttc actctctgct
                                                                      840
aaagtggtag atgatgaaat ttactacttc agaaaaccaa ttgttcctca gaaggagcca
                                                                      900
tcacctttgc tggaaaagaa gatccagttg ctagaagcta aatttgccga gttagaaggt
                                                                      960
ggagatgatg atattgaaga gatgggagaa gaagatagtg aggtcattga acctccttct
                                                                     1020
                                                                     1080
ctacctcage tteagacece cetggeeagt gagetggace teatgeeeta cacacececa
                                                                     1131
cagtctaccc caaagtctgc caaaggcagt gcaaagaagg aaggctccaa a
```

```
<210> 2466
<211> 1249
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (439)...(1244)
<223> similar to gi4589676 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2466
                                                                60
cgcagatggg ctaccgctcc ctcctgagcg ctcgctcctc tegetcctct cccctcaccc
                                                               120
geogeettee etgetgggte eeteteeeg gteteeaeet eteeteete teetggaagg
                                                               180
agaacttgaa aagaacttgt tttgttccag ttaaggaacc tgcaggaaaa tccacacca
                                                               240
                                                               300
cattgcctgg ttttgaactg gagagetgeg tgtgtgtgtg tatgtgtgtg tgtgtgtcaa
                                                               360
gcaagaggcg gaggaggcac agactatggt ctctgttttg ataaggaaac tgccagctgt
cgaaagttaa ccagcagaga ggggaagatg gcccaggagc cagcccctcc tgagttttaa
                                                               420
                                                               480
actacactgt tttctgtcca gatattccaa tggagacagt tggaaaacct gtacttcaga
gaaaagaagt tttccgtgga agttcatgac ccacgcaggg cttcagtgac aaggaggacg
                                                               540
                                                               600
tttgggcaca gcggcattgc agtgcacacg tggtatgcat gtccggcatt gatcaagtcc
```

```
660
atctqqqcta tggccataag ccaacaccag ttctatctgg acagaaagca gagtaagtcc
aaaatccatg cagcacgcag cctgagtgag atcgccatcg acctgaccga gacggggacg
                                                                     720
                                                                     780
ctgaagacct cgaagctggc caacatgggt agcaagggga agatcatcag cggcagcagc
                                                                     840
qqcaqcctgc tgtcttcagg atctggtgcc aggagacact gcattctact cccaggttct
daggaatcag atagetegea gteggeeaag aaggacatge tggetgeett gaagteeagg
                                                                     900
                                                                     960
caggaagete tggaggaaac eetgegteag aggetggagg aactgaagaa getgtgtete
cgagaagctg agctcacggg caagctgcca gtagaatatc ccctggatcc aggggaggaa
                                                                    1020
ccacccattg ttcggagaag aataggaaca gccttcaaac tggatgaaca gaaaatcctg
                                                                    1080
                                                                    1140
cccaaaggag aggaagctga gctggaacgc ctggaacgag agtttgccat tcagtcccag
attacggagg ccgaccgccg cctagccagt gaccccaacg tcagcaaaaa actgaagaag
                                                                    1200
caaaggaaaa caaagtatat aaatgcagtg aagaaactgc aggtgtatt
                                                                    1249
```

```
<210> 2467
<211> 441
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (145)...(442)
<223> similar to gi4633066 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2467
tttcgtcaga gccgcgggag gacggttgcc tggtattatt agcaagcagc aaatatggcg
                                                                       60
gtggcgcgcg tggacgcggc tttgcctccc ggagaaggat cagtggtcaa ttggtcagga
                                                                      120
cagggactac agaaattagg tocaaattta cootgtgaag otgatattca cactttgatt
                                                                      180
                                                                      240
ctggataaaa atcagattat taaattggaa aatctggaga aatgcaaacg attaatacag
ttatcagtag ctaataatcg gctggttcgg atgatgggtg tggccaagct gacgttgctt
                                                                      300
cgtgtattaa atttgcctca taatagcatt ggctgtgtgg aagggctaaa ggaactagta
                                                                      360
catctggaat ggctgaattt ggcaggaaat aatcttatag ccatggaaca gatcaatagc
                                                                      420
                                                                      441
tgcacagctc tacagcatct c
```

```
<210> 2468
<211> 929
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (35)...(931)
<223> similar to gi915328 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2468
                                                                       60
ctccggagcg gacttcccgg gtcgacgatt tcgtcaagcc ctcagcccca cgggtagcag
ccgctatgcc tcttccgggg agctgagcca gggaagctct cagctgagcg aggacttcga
                                                                      120
ccctgacgag cacagcctgc agggctccga catggaggat gagcgggacc gggactccta
                                                                      180
ccactcctgc cacagetegg teagetacea caaagaeteg cetegetggg accaggatga
                                                                      240
ggaagagctg gaggaggacc tggaggactt cctggaggag gaggagctgc ctgaagatga
                                                                      300
cgaggagctg gacgaggagg aggaggaggt gcctgacgat ttgggcagct atacccagcg
                                                                      360
                                                                      420
tgaagacgta getgtggetg ageccaaaga etteaaaege ateageetee egecagetge
                                                                      480
cccagggaag gaggacaagg ccccagtggc acccaccgag gcccccgaca tggccaaggt
                                                                      540
ggcccccaag ccagccacgc ccgacaaggt gcctgcagct gagcagatcc ctgaggctga
                                                                      600
gccacccaag gacgaggaga gtttcaggcc gagagaggat gaggaaggcc aggaggggca
                                                                      660
ggactccatg tccagggcca aggccaactg gctgcgtgcc ttcaacaagg tgcggatgca
                                                                      720
gctgcaggag gcccggggag aaggagagat gtctaaatcc ctatggttca aaggcggccc
                                                                      780
aggggggggt ctcatcatca tcgacagcat gccagacatc cgcaagagga aacctatccc
actogtgago gacttggcca tgtccctggt ccagtccagg aaagcgggta tcacctcggc
                                                                      840
                                                                      900
cttggcctcc agcacgttga acaacgagga gctgaaaaac cacgtttaca agaagaccct
                                                                      929
gcaagcetta atctacecca tetegtgee
```

```
<210> 2469
<211> 993
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29) ... (995)
<223> similar to gi56463 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2469
cggacttccc gggtcgacga tttcgtaaat tcacatcccg atcaccctgt atcccagcat
                                                                       60
cttgacattt ccgtggcaac caaagacggg cgcctatcag tacacaataa gggcccacgg
                                                                      120
tggcagtggg aacttcagct ggtcttcgtc aagccacctg gttgccacag ttactgtcaa
                                                                      180
gggcgtgatg accacaggca gtgacatcgg gttcagtgtg atccaggcac atgatgtgca
                                                                      240
gaacccactc catttcggtg agatgaaggt gtatgtgatc gagccccaca gcatggagtt
                                                                      300
tgccccgtgc caggtggagg cacgtgtggg ccaggccctg gagctgcccc tgaggatcag
                                                                      360
                                                                      420
tggcctcatg cccggcgggg ccagtgaggt ggtcaccttg agcgactgct cccactttga
cttggctgtc gaggtggaga accagggtgt gttccagcca ctcccaggga ggctgccgcc
                                                                      480
                                                                      540
aggetetgag caetgeageg geateegggt aaaggeegag geeeaggget etaceaeget
tcttgtgagc tacagacacg gccacgtcca cctgagtgcc aagatcacca ttgctgccta
                                                                      600
                                                                      660
cctgccctc aaggetgtgg atccctcctc tgttgccttg gtaaccctgg gctcctcaaa
                                                                      720
ggagatgctg tttgaaggag gtcccagacc ttggatcctc gagccgtcca aattcttcca
                                                                      780
gaacgtcacc gctgaggaca ctgacagcat cggcctggct ctctttgccc cccattcctc
                                                                      840
ccggaattat cagcaacact ggatccttgt gacctgtcag gccttgggtg agcaggtcat
cgccctgtcg gtggggaaca agcccagcct caccaacccc tttcctgcgg tggagcctgc
                                                                      900
                                                                      960
cgtggtgaag ttcgtctgcg-ccccaccgtc caggctcacc ctcgcgcctg tctacaccag
                                                                      993
ccccagctg gacatgtcct gtccgctgct gca
```

```
<210> 2470
<211> 554
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (223)...(498)
<223> similar to gi2224675 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2470					
tttcgtggct gaatcaatgg	ctctgaaggc	ccggggagcg	tgagcgatgc	ccagctgcac	60
ccgggcaggg ctcgcctttg					120
gtcatccctg cttcaagcca					180
ctccggatgg aaaacgtgga					240
ctcccagaag agacgggggt					300
cccaacacgc taaatttcaa					360
atcaacattt ctctggatca					420
cctgatgacc tggatattaa					480
gagttcctgg ggaatggcaa					540
aagaacatgc ccgg	, t				554

```
<210> 2471
<211> 832
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(793)
<223> similar to gi4883516 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2471
                                                                       60
tatttcgagc ggcagttggg gcggtaccag agggtgcctg gaaggatacg gcccagctcc
acaagagcga ggaggcgaag cgggtgctgc ggtattacct cttccagggc cagcgctata
                                                                      120
                                                                      180
tctggatcga gacccagcaa gccttctacc aggtcagcct cctggaccat ggccgctctt
                                                                      240
gtgacgacgt ccaccgctcc cgccatggcc tcagcctcca ggaccaaatg gagaggaagg
                                                                      300
ccatttacgg ccccaacgtg atcagcatac cggtcaagtc ctacccccag ctgctggtgg
                                                                      360
acgaggeett cagcategeg etgtggetgg etgaceaeta etaetggtae geeetgtgea
                                                                      420
tetteeteat tteeteeate teeatetgee tgtegetgta caagaccaga aagcaaagee
                                                                      480
agactctaag ggacatggtc aagttgtcca tgcgggtgtg cgtgtgccgg ccagggggag
                                                                      540
aggaagagtg ggtggactcc agtgagctag tgcccggaga ctgcctggtg ctgtcccagg
```

```
agggtgggctgatgccctgtgatgccgcctggtggccggcgagtgcatggtgaatgata600gctctctgacaggagagagcattccagtgctgaagacggcactgccggaggggctgggc660cctactgtgcagagacacaccggcggcacacactcttctgcggaaccctcatcttgcatg720cccgggcctatgtgggaccgcacgtcctggcagtggtgacccgcacaggtatgagccggg780aggctgggcttgagagagatccgggctcagcacccttgaagaggtggagtgg832
```

```
<210> 2472
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (191)...(778)
<223> similar to gi4019275 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2472
tttcgtgcac aatggccggc ccccgcgggt agtggagccc gtttgttccg cccgtgtcga
                                                                      60
gcctggagcc agaacctgtg aagagcggaa gggccaaggg acgtcttctc cacgccgctc
                                                                      120,
cgactccagg ggagccgtgg cctcctctcc gccctagcgc tgagaaccgt gggtaccgat
                                                                      180
                                                                      240
ggatgtggcc gagagccctg aacgggatcc tcactctcca gaggatgaag agcagccaca
gggacteteg gacgatgaca ttetgaggga cagegggtee gateaggatt tggaegggge
                                                                      300
                                                                      360
gggggtgagg gcttctgatc tggaggatga ggaaagtgca gccagggggc cgagccagga
                                                                      420
ggaggaagat aatcactccg acgaggagga ccgggcaagt gagcctaaat cccaagacca
                                                                      480
ggactcagag'gtgaatgagc tgagccgggg cccgaccagc tccccctgcg aggaggaggg
ggacgaaggg gaggaagacc ggacaagcga ccttagggat gaggcctcct cagtcaccag
                                                                      540
                                                                      600
ggagctggat gagcatgagc tagactacga tgaggaggtt cctgaggagc cagctcccgc
cgtccaggag gacgaggctg agaaagcggg ggctgaggat gatgaggaga agggcgaagg
                                                                      660
                                                                      720
cactcccagg gaggaggga aggctggtgt tcagagtgtg ggagaaaagg aatccctgga
                                                                      780
ggctgccaag gagaaaaaga aagaggacga tgatggagaa atcgatgatg aggaaatgta
                                                                      782
tt
```

```
<210> 2473
<211> 1498
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (2)...(927)
<223> similar to gi3171934 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2473
                                                                      60
geggeeegag eccagetgee ggeegegeag egaataceag eccteegaeg etecettega
                                                                      120
gegegagace cagtaceaga aggaetteeg egeetggeeg etgeegegee geggggaeea
cccgtggatc cccaagcccg tgcagatctc tgcggcctcc caggcgtcgg cgcccattct
                                                                      180
cggggcgccc aagcgccggc cgcagagcca ggagcgctgg ccagtgcagg ccgccgctga
                                                                      240
                                                                      300
ggcccgggag caggaggcgg cccccggcgg agcgggtggc ctggcggccg gaaaggcgtc
cggggcggac gagcgcgaca cgcgcaggaa ggccgggcct gcctggatgg tgcgccgcgc
                                                                      360
cgagggcctg gggcacgagc agacgccgct gcccgcggcc caggcccagg tccaggccac
                                                                      420
                                                                      480
cggccccgag gctggcaggg ggcgcgccgc ggcggacgcc ctcaaccggc aaatccgcga
                                                                      540
ggaggtggcg agtgcagtga gcagctccta caggaatgaa ttcagggcat ggacggacat
                                                                      600
caageetgtg aaaccaataa aggeeaagee eeagtacaag eecceagatg ataagatggt
                                                                      660
teatgagace agetacagtg eteagtteaa aggagaggee ageaageeaa caacagetga
caataaggtc attgatcgca gaagaatacg cagcctctac agcgaaccct tcaaggaacc
                                                                      720
cccaaaggtg gaaaaaccta gtgttcagag ttccaaacca aaaaagacct cagcgagcca
                                                                      780
taagcccacg aggaaggcca aagacaagca ggcggtgtca ggccaggctg ccaagaaaaa
                                                                      840
                                                                      900
gagegeggag ggeeegagta eeaccaagee agaegacaag gageaaagea aagagatgaa
caataaactg getgaggega aagagtaaat tteeetgeae ttteetttta etettetete
                                                                      960
                                                                     1020
tctctccctc cccccaactt tttttttta aaccaacaaa ccaaaaaagg ccacaaaatt
                                                                     1080
aattagagge tteteatetg cettggteet gagggtteea ggagetettt ggtttggett
cttttgatgg aagaateetg etteacagae tgagtggeag geeteeteet gagggeeage
                                                                     1140
coctgggage accagggaag cgttgccgct ggctgtgccc tcccctgggc actctgactg
                                                                     1200
catgctgatg agcaaggcag gcaggtctga gaggcgaaac gaatctcccg gcagtgcttg
                                                                     1260
                                                                     1320
ggaagtgtet gtgggggtet ceteeteeca gateeccaag atetgttgte aetggtegat
tttgaacttt aggtacatgt gttcttttca aaaattcaga gaatcgtcat gttgccacag
                                                                     1380
                                                                     1440
aagctcagcc tgggcttcag caattgacaa aatttgaaga aatattaaac aaaaataaca
aaaaaagaaa caaccttggc cttaatgtca ataaaaggga gttgtgtctg ttaaaaaa
                                                                     1498
```

```
<210> 2474

<211> 506

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (37)...(465)

<223> similar to gi213235 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters
```

```
<400> 2474
tttcgttctg gggctgccgc ggctccgagc tcactgctcc tcgtggtggg cagcgagttc
                                                                       60
gggagcccgg ggctcctcac ctacgtcctg gaggagctcg aaagaggcat ccggtcttgg
                                                                      120
gatgtcgatc ctggcgtctg caaccttgat gaacagctca aggtctttgt gtcccgacac
                                                                      180
tetgecacet tetecageat tgtgaaagge cageggagee tgeaceaeeg tggagacaae
                                                                      240
                                                                      300
ctggagaccc tggtcctcct gaacccatca gacaagtccc tgtatgatga gctccggaac
cttctgttgg accetgeete teacaageta etggtgttgg etgggeeetg eetggaggag
                                                                      360
                                                                      420
acgggggage tgctgctaca gacaggggge ttctcgcctc accacttcct ccaggtcctg
                                                                      480
aaggacagag agateeggga cateetggee accaegeece caeetgtgea geegeecata
                                                                      506
ctcacctatc acaccccatc caaaaa
```

```
<210> 2475
<211> 690
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(692)
<223> similar to gi5802543 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2475					
tttcgtggat	gagaccctgg	ccagcaggaa	gtcggatgcc	atcttcagag	ctgccaagaa	60
ggacctgctc	accctgatga	agctggaaga	ctcatctctg	ttggatggcc	gggtggcgct	120
tctqcacqtt	cctgcaggca	cggtggtgtc	aaggcaggga	gaccaggacg	ccagcatcct	180
attcataatc	teggggetge	tgcacgtgta	ccagcggaag	atcggcagcc	aggaggacac	240
ctacttattc	ctcacgcgcc	ccggggagat	ggtgggccag	ctggccgtgc	tcaccgggga	300
gcctctcatc	ttcaccotca	aggccaacag	ggactgcagc	ttcctgtcca	tctccaaggc	` 360
ccacttctat	gaaatcatgc	ggaagcagcc	gaccgtcgtc	ctgggtgtgg	cgcacactgt	420
ggtgaagagg	atqtcqtcct	tcgtgcggca	aatcgacttt	gccctggact	gggtggaggt	480
ggaggccggg	cgagcaatat	acaggcaggg	ggacaagtcc	gactgcacgt	acatcatgct	540
cadcadccad	ctacactcta	tgatccggaa	ggatgatggg	aagaagcgcc	tggccgggga	600
gtacggccga	ggagacctcg	tcqqcqtqqt	ggagacactg	acccaccagg	cccgggcgac	660
		actcagaatt		•		690

```
<210> 2476
<211> 1316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (260)...(1099)
<223> similar to gi3549261 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2476
gcaaggcggc acgtcctgct ccccctggtg aagaagctgc cctgggcttg tcgtcctagg 60
gtctccagac atgtctgagg tgaagagccg gaagaagtcg gggcccaagg gagcccctgc 120
tgcggagccc gggaagcgga gcgagggcgg gaagaccccc gtggcccgga gcagcggagg 180
cgggggctgg gcagaccccc gaacgtgcct gagcctgctg tcgctggga cgtgcctggg
cctggcctgg tttgtatttc agcagtcaga aaaatttgca aaggtggaaa accaatacca 300
gttactgaaa ctagaaacca atgaattcca acaacttcaa agtaaaatca gtttaatttc
```

```
agaaaagtgg cagaaatctg aagctatcat ggaacaattg aagtcttttc aaataattgc
                                                                      420
tcatctaaag cgtctacagg aagaaattaa tgaggtaaaa acttggtcca ataggataac
                                                                      480
tgaaaaacag gatatactga acaacagtct gacgacgctt tctcaagaca ttacaaaagt
                                                                      540
                                                                      600
agaccaaagt acaacttcca tggcaaaaga tgttggtctc aagattacaa gtgtaaaaac
                                                                      660
agatatacga cggatttcag gtttagtaac tgatgtaata tcattgacag attctgtgca
agaactagaa aataaaatag agaaagtaga aaaaaataca gtaaaaaata taggtgatct
                                                                      720
                                                                      780
totttcaago agtattgato gaacagoaao gotoogaaag acagoatotg aaaattcaca
                                                                      840
aagaattaac tetgttaaga agaegetaae egaaetaaag agtgaetteg acaaacatae
agatagattt ctaagcttag aaggtgacag agccaaagtt ctgaagacag tgacttttgc
                                                                      900
                                                                      960
aaatqatcta aaaccaaagg tgtataatct aaagaaggac ttttcccgtt tagaaccatt
agtaaatgat ttaacactac gcattgggag attggttacc gacttactac aaagagagaa
                                                                     1020
agaaattgct ttcttaagtg aaaaaatatc taatttaaca atagtccaag ctgagattaa
                                                                     1080
ggatattaaa gatgaaatag cacacatttc atgatatgaa ttagtttgac gttattgaga
                                                                     1140
                                                                     1200
ttaqactaag gtaatttttt taatgggacc tctcatgaga agactggtaa atcaaaaata
atgatatttt ggagcaaaag tcattttata tttaatccta ttttgtacag taaaaataaa
                                                                     1260
actttaaaac aggttgattt tccaaaataa atatgctaaa acctaaaaaa aaaaaa
                                                                     1316
```

```
<210> 2477
<211> 573
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(571)
<223> similar to gi5052670 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2477
tttcgtctgg aggaaagccc gtgtggtcgc tggcaaaagc gacgggagca ggtaaaccaa
                                                                       60
gggaacatgc cagggettea gageacette etagecatgg acaeggagga gggggtagag
                                                                      120
gtggtgtgga acgagctcca cttcggagac aggaaggcct tcgcggcgca cgaggagaag
                                                                      180
atccagaccg tgttcgagca gctggtgctg gtggaccacc cgaacatcgt gaagttgcac
                                                                      240
aagtactggc tggatacctc tgaggcctgc gcgagggtca tcttcatcac agagtacgtg
                                                                      300
                                                                      360
tcatcaggca gcctcaagca attcctcaaa aagaccaaga agaaccacaa ggccatgaac
                                                                      420
geoegggeet ggaagegetg gtgeaegeag atectgtetg egeteagett cetgeaegee
tgcaccccc caatcatcca cgggaacctg accagcgaca ccatcttcat tcagcacaac
                                                                      480.
                                                                      540
ggcctcatca agatcggctc cgtgtggcac cgaatcttct ccaatgcact tccagatgat
                                                                      573
ctccgaagcc ccatccgcgc tgagcgagag gaa
```

```
<210> 2478
<211> 714
<212> DNA
<213> Homo sapiens
```

<220>

```
<221> misc_feature
<222> (80)...(452)
<223> similar to gi790819 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2478
                                                                       60
tttcgtcggg ggcgggctcc accttcacct ctgccttctg ctctgcttca tgctgcccga
                                                                      120
qqacqctqcc atqqctgtgc tgacggcctc caaccacgtg agcaacgtca ccgtgaacta
                                                                      180
caacatcacc gtggagcgga tgaacaggat gcagggcctg cgggtctcta cagtgccagc
                                                                      240
cgtgctgtcc cccaatgcca cgctggcact gacggcgggc gtgctggtgg actcggccgt
                                                                      300
ggaggtggcc ttcctgtgga cctttgggga tggggagcag gccctccacc agttccagcc
tocatacaac gagtoottoo eggttocaga coccteggtg geocaggtge tggtggagca
                                                                      360
                                                                      420
caatgtcacc cacacctacg ctgccccagg tgagtacgtc ctgaccgtgc tggcatctaa
tgccttcgag aaccggacgc agcaggtgct gatccgcagt ggccgggtgc ccattgtgtc
                                                                      480
                                                                      540
cttggagtgt gtgtcctgca aggcacaggc cgtgtacgaa gtgagccgca gctcctacgt
                                                                      600
gtacctggag ggccgctgcc tcaattgcag cagcggctcc aagcgagggc ggtgggctgc
                                                                      660
acgtacgttc agcaacaaga cgctggtgct ggatgagacc accacatcca cgggcagcgc
                                                                      714
aagcatgtga ctggtgctgc ggcggggcgt gctgcgggac ggcgagggat acac
```

```
<210> 2479
<211> 425
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (298)...(426)
<223> similar to gi4234 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2479
ttcccgggtc gacgatttcg tcgggcttcc cgccggccaa gagattccgg ccaggctctg
                                                                        60
gacctecgag eegegetggg teetteeete eegggaggea agtggtgatg etgetgaetg
                                                                       120
cgggcagcgg cggcagagga ggaggaggag gccggaggca gcagccgccc ctggcccagc
                                                                       180
                                                                       240
ceteggecag tecetaceet gaagetgtgg agetgeageg eeggagtetg eceatettee
                                                                       300
aagegegggg geaactgttg geceagetee gaaacetgga caacgeggte etcateggtt
ggctatacag tgcgctttga tgatgtcacc tcagaagaca ccaggatcaa gtttctgaca
                                                                       360
                                                                       420
gatggcatgc ttctgcgtga agcaatttca gactctttgg ttccgaaata caagtgggtc
                                                                       425
 atttt
```

```
<210> 2480
<211> 703
<212> DNA
```

```
<220>
    <221> misc_feature
     <222> (280)...(704)
     <223> similar to gi1504006 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2480
cctgcccct tggctgaggg ggccttcttg gctgaggcta gcctcttgaa gctgtcccct
                                                                       60
gcaacaccta cttctgaggg tccaaaggtg gtgagcgtac agttgggtga tggtacaagg
                                                                      120
                                                                      180
ctgaaaggca ctgtgctgcc tgtggccacc atccagaacg ccagtactgc catgctgatg
gcagccagtg tggctcgcaa ggctgtggtg ctgcctgggg ggactgccac cagccctaag
                                                                      240
atgattgcta agaacgtgct aggcctggtg ccccaagccc tgcctaaggc tgacgggcgg
                                                                      300
gcagggctgg ggactggggg acagaaggtg aatggtgcct cggtggtgat ggtgcaacct
                                                                      360
tcaaagacag ctactgggcc aagtacaggg ggcggcacag tgatatcacg gacccagtcc
                                                                      420
agectggtgg aggectteaa caagateete aacagcaaga acetgeteee tgeetatagg
                                                                     .480
ccaaacctga gcccaccagc tgaggctggg ctggccctgc ctcccaccgg ctaccgctgc
                                                                      540
ctggagtgtg gggatgcctt ctcattggag aagagcctgg cacggcacta tgaccgtcgg
                                                                      600
agcatgcgca tcgaggtcac ctgcaaccac tgcgcccgcc gcctggtctt cttcaacaag
                                                                      660
                                                                      703
tgcagcctgc tcctgcatgc acgtgaacac aaggacaagg ggc
     <210> 2481
     <211> 557
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc feature
     <222> (213)...(560)
     <223> similar to gi5689561 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 2481
ccggacttcc cgggtcgacg atttcgtctg gccgggaacg cacacaacgt caaagcagtg
                                                                       60
aataagcgat ttctgcagtt cccgtagctg ccagcctgtg cagtcctctg tgatgcttgg
                                                                      120
                                                                      180
ggaccggctc ctcggtcaca ccccagtcct gctctgaagg ttgccgtttt ccaaacagaa
                                                                      240
ggatggtage tagaggggag atagcaagat tetggagtet ggaaageett caettggttt
                                                                      300
cttcagatgg aggtactgag ccctctgcct tagtggatga caacggtagt gaggaggact
                                                                      360
tcagctatga agacctctgc caggccagcc ctcggtacct gcagcccggc ggggagcagc
                                                                      420
tggccatcaa tgagctgatc agtgatggca acgtggtctg cgcagaagcc ctgtgggacc
                                                                      480
atgtgaccat ggatgaccag gaactgggct tcaaagccgg ggatgtcatc caggttctgg
                                                                      540
aagcetecaa caaggactgg tggtggggee geagtgaaga taaggaagee tggtteeeeg
                                                                      557
cgagcttcgt cagattg
```

<213> Homo sapiens

```
<210> 2482
<211> 501
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (40)...(397)
<223> similar to gill76422 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>	2482			•		
gctcccgctg	ctgggggaga	gctgggtttt	catggggcgg	cagccgaggc	aggacccgca .	60
	gcttcaatgg					120
accatecega	ggggaaagga	cggctttggc	ttcaccatct	gctgcgactc	tccagttcga	180
	tggattccgg					240
gtactacaac	tgaatgagag	gcctgtggag	cactggaaat	gtgtggagct	ggcccacgag	300
atccggagct	gccccagtga	gatcatccta	ctcgtgtggc	gcatggtccc	ccaggtcaag	360
ccaggaccag	atggcggggt	cctgcggcgg	gcctcctgca	agtcgacaca	tgacctccag	420
tcaccccca	acaaacggga	qaaqaactqc	acccatgggg	tccaggcacg	gcctgaagca	480
	tgccacctgg					501

```
<210> 2483
<211> 431
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (56)...(145)
<223> similar to gi3687907 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2483
ccacagccgt gggtgggatg tgtggtgtcc agggtgcatc tgaaatactc tgtctttgca
                                                              60
gattcatgag aagcttcgct attatgaaag gcaaagtcca accccagttc tgcacagcgc
                                                             120
                                                             180
tgtggccctc gctgaggacg taagccccag gtttctcctt acaggggctg ccccactccc
caccetgtag ggeteettea tettgeeteg ettgettagg ggggggaeae egggaateag
                                                             240
300
ggttccccga aaggtaggga ggaacccgtg agccttggac tgggctggga gacactgtga
                                                             360
catggagetg eccaettact gtgtgttett tageaagtet getteetetg etgtaaatga
                                                             420
                                                             431
gagcattgga t
```

```
<210> 2484
<211> 1872
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(1055)
<223> similar to gi3327080 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
60
eccqqaatte etqqqteqae tattteqtqq aaaqqetqee aetetgeatg tgcacagtga
                                                                      120
ccagaagccc cttcacgatg gggccctcgg gtcgcagcag aacttggttc gcatgaagga
                                                                      180
qqcqctqagg gccagcacca tggacgtcac cgtggtcctg cctagtgggc tggagaagag
gagcgtgctc aatgggagcc atgcgatgat ggacctactg gttgaacttt gccttcagaa
                                                                      240
ccacctgaat ccatcccacc atgcccttga aattcggtct tcagaaaccc aacaaccttt
                                                                      300
                                                                      360
gagttttaag ccaaatactt tgattgggac cctgaatgtg catactgtgt ttctgaaaga
aaaagtteet gaagagaagg ttaageetgg teeeectaag gtgeetgaga aatetgtgeg
                                                                      420
tttqqtcqtq aattacctqc ggacacaaaa agctgttgtg cgtgtgagcc ctgaggttcc
                                                                      480
                                                                      540
tctccagaat attctcccag tcatttgtgc aaagtgtgag gtcagcccag agcacgtggt
tetecteagg gacaacattg ceggagagga getggagetg tecaagteee tgaacgaget
                                                                      600
                                                                      660
cgggataaag gagctctacg cgtgggacaa cagaagagaa acctttagga aatcatcact
tggcaatgat gagacagata aagagaagaa aaaatttctg ggatttttca aagttaataa
                                                                      720
                                                                      780
aagaagcaat agtaaggget gtttaacgac ceceaactee ceatecatge acteacgtte
                                                                      840
tettaegetg ggtecatece tetegetggg cageatetea ggggtgteeg tgaagtegga
                                                                      900
gatgaagaag cgccgagccc ctcctcctcc aggttcaggg ccacctgtgc aagacaaggc
                                                                      960
atoggaaaag gtatotottg ggtoacagat tgatttacag aagaagaago ggogagogoo
                                                                     1020
agetececet ceaceacage caccaceace gagteceetg atececaace geactgagga
                                                                     1080
taaqqaqqaq aacaqqaaqa qcacqatqgt ttattgctgt gcgtcattcc ctactcaggc
                                                                     1140
caaqcqcttc tqatqqacqq qcctcttcct gacctcggac ctttcccagt gtctcttctg
                                                                     1200
ecetggetet gatttteetg ttgttettee teettteagg ataaaaggge teattgtata
cccagaattt acttcctttg gggtttacat ataaatgcat taataacaga gatttgtttg
                                                                     1260
                                                                     1320
attgaggitt atatttttt gaaggaggta aattatatgc aaattttagg ttgataatat
                                                                     1380
teacetquet quantitaet quantitatique autquetetq tquagaacte tgetttattt
                                                                     1440
taattcatta ttaattcatg tttttcttat tggatattca gttccagaat ttattgccaa
                                                                     1500
tttttcttaa aactagattg tatccataaa ttgaccagta tagtcaattt ggatagaact
gaaactttct gtctacctgg taaaactaag tgcctaaaaa catgaactat aaatgtagtt
                                                                     1560
actaggaact cacaacttat atatactatc cattcaatga tacataggac ccaatgtctt
                                                                     1620
tgtgtttttg aggttttcct gttactgtgt actttgccat tttacatagt tcactaaaaa
                                                                     1680
                                                                     1740
gaaagaagtg ggagaagaag gggggtctat tcattattct atattatgat tctcttcatt
                                                                     1800
attetgttet etteattatt etatteattt etteaceeat ttatteacta aacagtgaca
                                                                     1860
tagtacttac ttgatgctag gtattacacc agttttgtgg gctataagag tgaataacaa
                                                                     1872
gcacgtgacc tt
```

```
<210> 2485
<211> 740
```

<400> 2484

<sup>&</sup>lt;212> DNA

```
<222> (14)...(712)
     <223> similar to gi798832 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2485
gggccgacga tttcgtggtc cagcacctgt gtgctccctt gaggccgagc ggggccctga
                                                                       60
tgggcgtagc tttgttattg ccaccactcg gcagcgcctc ttccagttca taggccgagc
                                                                      120
agcagagggg gctgaggccc agggtttctc agggctcttt gcagcttaca cggaccaccc
                                                                      180
acccccattc cgtgagtttc ccagcaacct gggctacagt gagttggcct tctacacccc
                                                                      240
caagetgege teegeaceee gggeettege etggatgatg ggggatggtg tgttgtatgg
                                                                      300
ggcattggac tgtgggcgcc ctgactctct gctgagcgag gagcgagtct gggagtaccc
                                                                      360
agagggggta gggcatgggg ccagcccacc cctagccatc gtcttgaccc agttccactt
                                                                      420
catgctgcta ctggcagacc gggtggaggc agtgtgcaca ctgaccgggc aggtggtgct
                                                                      480
gcgggatcac ttcctggaga aatttgggcc gctgaagcac atggtgaagg actcctccac
                                                                      540
aggccagetg tgggcctaca gtgagegggc tgtcttccgg taccacgtgc aacgggaggc
                                                                      600
togagatgto tggogoacot atotggacat gagoogotto gatotggooa aagagtattg
                                                                      660
tcgagagcgg accaactgcc tggacacggt cctggcccgg gaggccgatt tctgacgaaa
                                                                      720
tcgtcgaccc aggaaatcgg
     <210> 2486
     <211> 1692
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(1693)
     <223> n = a,t,c or g
     <220>
     <221> misc feature
     <222> (8)...(494)
     <223> similar to gi4760778 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2486
                                                                        60
gtacggctac acgcccccgc cccgcctgct gcccaggaat actttctcca ggaaggcttt
caagetgaag aageeeteca aataetgeag etggaaatgt getgeeetet eegeeattge
                                                                       120
cgcggccctc ctcttggcta ttttgctggc gtatttcata gcaatgcatc tgctcggact
                                                                       180
caattggcaa ctccagcctg cagatgggca cacctttaac aatgggataa ggaccggctt
                                                                       240
accaggaaac gatgatgtgg caacaatgcc atctggaggc aaagtgccct ggtcgttgaa
                                                                       300
                                                                       360
aaacagcagc atagacagtg gtgaagcaga agttggtcgg tgggtaacac aagaagtccc
accaggggtg ttttggaggt cacaaattca catcagtcag ccccagttct taaagttcaa
                                                                       420
```

<213> Homo sapiens

<221> misc\_feature

<220>

```
480
catctccctc gggaaggacg ctctctttgg tgtttacata agaagaggac ttccaccatc
                                                                   540
tcatgcccag tgcccattga ctagtcacat aggctccact gggcctcacc tttcacatgg
                                                                   600
agctgaaatg tggaggcaat gccagggttt ggctgtcagc ttgcatagca catcaaatcg
                                                                   033
720
caggcatgtt tttcagaacc ttcctttcca aaggagctcg agctgtagag aacgattgtg
                                                                   780
tgaaaccaag agaaccttgg tttcttctga actggactga aagtgctttt ggaaaggact
ttctggacag accccttctg gttagctggt ggcatcctaa caggagacag gaactgaaac
                                                                   840
                                                                   900
tgccatctga gtcagtgggc accetectgg acagetactg agcagagcaa ggagaaatct
catggcatgc ttgagtctgg aaagagaacc ggtgtgaagg gtgcacagga gggcaccatg
                                                                   960
                                                                  1020
gatgttttac aagaaagaca aggcttgagt tcatgggaac tgagagagaa gcagcaacag
agaaaacagg atgagttcag acgggcagca ccaaatcaca tnattagaca gaggagaggc
                                                                  1080
ttggagtgct gtaattcagg agtttgcaac tttctaagca aagacctttt tcctcagtga
                                                                  1140
                                                                  1200
aatctatata gaccctgata taaaaagacg aaggatagtt tggtacctag agttacaggt
caaatcatgg ttagattata ggttaaaccc tggtaggtag gttggggtta aaaaacaccc
                                                                  1260
                                                                  1320
tgcgtgattg gcaggaagag aaggaagaga tcgagacggt aaatataaga ggggggcgct
                                                                  1380
ataagaatcc cggggggccc attctccggc gggaggaagt aattttcctt ctaggggagg
aaataaaaga gogggactgg ggaagacott ottgtggggg ggtagggggo accootogca
                                                                  1440
aaatgacggg aggagataga tattatgtga gtgtgtgacg gctcgtcgtg gcgcgggaag
                                                                  1500
tgtgctcgtg caggaggaag aaatacaccg cgggcgcgtg aagcgctgta tcaacgggat
                                                                  1560
gaaggtgggc ttaacgatgg ttgtggtatc gtgcgagaga gcgggtgcgc gatgacgacg
                                                                  `1620
agtcgcgcat gagacagagt tggtattgga aggaggtgaa tcgtatgagg tgatggtggg
                                                                  1680
                                                                  1692
gacaggtcgg ga
```

```
<210> 2487
<211> 959
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (156)...(503)
<223> similar to gi2511715 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2487
                                                                       60
tttcgtctgg atgctgcgat cccgcagcac cctccagcct tgcagaagca gccaccatgc
cagtetetaa gtgeecaaaa aagteggagt eeetgtggaa ggggtgggae eggaaggeee
                                                                      120
                                                                      180、
agaggaacgg cctgcggagc caggtatacg ctgtgaatgg cgactactat gtgggcgagt
ggaaggacaa cgtgaaacac gggaaaggaa cacaggtctg gaagaagaaa ggagccatct
                                                                      240
atgaggggga ctggaagttt gggaagcgag acggctacgg caccctcagc cttcctgacc
                                                                      300
                                                                      360
aacagacagg aaagtgcagg agagtctact caggctggtg gaaaggtgat aagaaatcgg
gttatgggat ccagtttttc ggacccaagg agtattatga gggtgactgg tgtggcagcc
                                                                      420
                                                                      480
agegeagegg gtggggeege atgtattaca geaacggega catetacgag ggacagtggg
agaacgacaa gcccaacggg gagggcatgc tgcgcctgag tcaaaatcct agaccctgat
                                                                      540
                                                                      600
ggtgtgctgg cggaggcctt ggccatgttc aggaagacag aggaaggaga ttgatgccag
agaacacaaa cgcttcagga gaaattcaag cctgtgtcac ccgatcgctc agaccagtgc
                                                                      660
ggctctggct ggaggagtca gcagcagctc caggcatgac cccggcaccc tcatagggcc
                                                                      720
                                                                      780
cctcactacc cccagcactg ggtcatttct tgccaatagg aaggctggtg cttctctccc
                                                                      840
aggetgteet egggaeeete tteattetet gateteatee tggaatgeat gagaataaag
                                                                      900
aataaccaag tggtataagc ctgggcctat gggataagga tggggcactc gagggggctc
```

```
<210> 2488
<211> 1226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (23)...(394)
<223> similar to gi7286 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2488
                                                                       60
atccctcggg tcgacgattt cgacagactg ggccaatcat tacctagcca aatccggcca
caagcgtete atcagggate tecagcaaga tgtgacagat ggcgtgetee tggeecagat
                                                                      120
                                                                      180
tatccaggtt gtggcaaatg aaaagattga agacatcaat ggctgtccga agaacagatc
ccaaatgatt gaaaacatag atgcctgctt gaatttcctg gcagctaagg gaataaacat
                                                                      240
                                                                      300
ccaggggctg tctgcagaag agatcaagaa tggaaacctc aaggccattc taggcctctt
cttcagecte tecegataca ageageagea geageageec cagaageage aceteteete
                                                                      360
                                                                      420
acctetgeeg eccgeegtat eccaggtgge eggggeeece teccagtgee aggetggeac
ccctcagcaa gccccagggg tgccagtcac tccccaagcc ccgtgccagc ctcaccagcc
                                                                      480
                                                                      540
agcaccacat cagcagtcaa aagcacaagc tgaaatgcag tccagacttc caggtcctac
                                                                      600
cgcgagggta tccgctgcag gcagcgaggc caaaacacgc ggagggtcaa ctactgctaa
                                                                      660
caaccgacgc agccagagct ttaacaacta tgataaatcc aaaccagtca cctccccacc
                                                                      720
cccaccgcca agcagccacg agaaagagcc tttggcaagt tcagcctcct cccaccccgg
                                                                      780
aatgagtgac aatgcacctg cttccttgga gagcggcagc agctccaccc ctactaattg
                                                                      840
cagtacetae tegggeatae egeatteegg tgeageeace aageettgge geageaaate
cctcagcgtg aagcacagtg ccacggtate catgeteteg gtcaagcete etgggeetga
                                                                      900
                                                                      960
ggececcagg eccaeacetg aagecatgaa geeggeeece aacaateaga agtecatget
ggaaaagctg aaacttttca acagtaaagg gggctcaaaag gcaggtgagg ggccggggtc
                                                                     1020
                                                                     1080
ccgggacaca agetgtgage ggetggagae tetgeccage ttegaagaga gegaggaget
                                                                     1140
ggaggccgcc agtcgcatgc tcaccaccgt gggccctgct tccagcagcc ccaagattgc
                                                                     1200
actcaagggc attgcccaga ggacttttag ccgggcactg accaacaaga agagttctct
                                                                     1226
gaaaggcaat gagaaaggga aagaga
```

```
<210> 2489
<211> 450
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(160)
<223> similar to gi3327214 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2489
                                                              60
cgggagtgct acgaggcctt cctggacata gtgcgaagcc tgctgaaggg cagcatcgac
cccacacagt acaaggacac cctacgcgag atgttcacca tccatgccta cgtgggcttc
                                                             120
180
gecetgagga eggeggaaat ggetetaeea teattteaet eecegetegg gagggggeee
                                                             240
gtggtcagca cagcaaacct atcctgtttt ttcttaattg atacaaaatt cgcataacgt
                                                             300
aaaattaacc attttgaagt gtacagtttg gtaacatttg gtacattcac aatattgtgc
                                                             360
                                                             420
aaccaccacc totgtotagt tocagaacat ttoatottto caaaaggaga coccatocco
                                                             450
atcagcagcc actggccatt cccctgcccc
```

```
<210> 2490
<211> 453
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(454)
<223> similar to gi558637 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2490
                                                                       60
ggtcgacgat ttcgcccgcc gtcggacgag gagcgggagc cgtgggagcc gtggacgcag
ctgcgcctgt cgggccacct gaagccgctg cactacaatc tgatgctcac cgccttcatg
                                                                      120
gagaacttca ccttctccgg ggaggtcaac gtggagatcg cgtgccggaa cgccacccgc
                                                                      180
tacgtagtgc tgcacgcttc ccgagtggcg gtggagaaag tgcagctggc cgaggaccgg
                                                                      240
                                                                      300
gcgttcgggg ctgtccctgt agccggtttt ttcctctacc cgcaaaccca ggtcttagtg
gtggtgctga ataggacact ggacgcgcag aggaattaca atctgaagat tatctacaac
                                                                      360
                                                                      420
gcgctcatcg agaatgaget cetgggette tttcgcaget cetatgtget ccacggggag
                                                                      453
agaagattcc ttggggttac tcagttttcg cct
```

```
<210> 2491
<211> 782
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (419)...(781)
<223> similar to gi2285790 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2491
tttcgtggcg gcgctccggc tctgaagggc tttagcctta cggagcccgc ggccaaacgg
                                                                       60
tgcctgcggt gcctgagctg agtgaggccg aggccgggag gccgtgcccg gagtaaggcg
                                                                      120
aaagagaatg aaagacgtag ataacctcaa aagtataaaa gaagaatgag tototototg
                                                                      180
tegecagget ggagtgeagt ggeatgatet eggeteactg caaceteege eteceaggtt
                                                                      240
caagcgattc ttctgcctca gcctcctgag tagctgggac tacagggttt gtgaaacagg
                                                                      300
atctgataat caacctcttg gtaataatca acaatcaaat tgtgaatatt ttgttgatag
                                                                      360
cetttttgag gaageteaga aggttagtte caaatgtgtg tetecegetg aacagaagaa
                                                                      420
acaggtagat gtaaatataa aattatggaa aaacggattc accgtcaacg acgatttcag
                                                                      480
                                                                      540
aagttattcc gatggtgcca gtcagcagtt tttgaactcc atcaaaaagg gggaattacc
ttcagaatta cagggaattt ttgataaaga agaggtggac gttaaagttg aagacaagaa
                                                                      600
aaatgaaata tgtttgtcta cgaagcctgt gttccagccc ttttcaggac agggtcacag
                                                                      660
actaggaagt gccacaccaa aaattgtttc taaagcaaag aatattgaag ttgaaaataa
                                                                      720
aaataatttg totgotgtto cactgaacaa ottggaacco attactaata tacagatotg
                                                                      780
                                                                      782
gg
```

```
<400> 2492
ccgcctgccc caagactgtg tctgccagaa tctgtctgag tcactgggga ccctgtgccc
                                                                       60
ctccaagggg ctgctctttg taccccctga tattgaccgg cggacagtgg agctgcgcct
                                                                      120
gggcggcaac ttcatcatcc acatcagccg ccaggacttt gccaacatga cggggctggt
                                                                      180
                                                                      240
ggacctgacc ctgtccagga acaccatcag ccacatccag cccttttcct ttctggacct
cgagagcete egetecetge atettgacag caateggetg ccaageettg gggaggacae
                                                                      300
                                                                      360
cctccggggc ctggtcaacc tgcagcacct tatcgtgaac aacaaccagc tgggcggcat
cgcagatgag gcttttgagg acttcctgct gacattggag gatctggacc tctcctacaa
                                                                      420
caacetecat gggcetgeeg tgggacteeg tggegacgea tgggtteaac ettecaecag
                                                                      480
ctgagcctgg accacaacct ggtggatcac atcgctcgag gcacctttgc agacctgcag
                                                                      540
                                                                      600
aaactggccc gcctggatct cacctccaat cggttgcata agctgccccc tgatcccatc
tttgcccgct cccaggcttc cgctttgaca gacacaccct ttgccccacc cttgtccttt
                                                                      660
atttttgggg gtaacccact tcactgcaat tgagagette tetggetgeg gaggetegat
                                                                      720
cgggacgaaa ccctggaaac ttgtggttct ccagtgggcg tcaagggtct t
                                                                      771
```

```
<211> 434
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(435)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (434)...(217)
<223> similar to gi3242789 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2493
tttcgtggaa aggtagatac gtatatggag tgaggggaat aggaggattt gtggcattat
ctggaacaac cagtctctag atgcagagag gggaggcaca gagcggggag tctagtgctg
                                                                      120
cogggecaaa geetteaaag gggatatggg egeatgtgge atgtetggee agggtetggt
                                                                      180
                                                                      240
acctttgggt atctggcaca tctgtcaccc gtcggggctg agtagatctc cctgaggcga
gtggtccagg gccctgctgc ccggatgtgc aggctaagcg tgtcctcatg gggcgcagag
                                                                      300
gtcagtgtga aggggtggta ctcggtggtc cccagagcca ggcaagcgat ccgcacccac
                                                                      360
tgccctgact tgtactcaaa gccctggngc ccgctggaac cgcaggtggg tcactcctgg
                                                                      420
                                                                      434
ggagggatgg tggg
```

```
<210> 2494
<211> 578
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (304)...(564)
<223> similar to gi1872200 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2494
                                                                       60
attittgaag agtataggtg tcagatcttt ttcaagaaca tcagaaaatg atcgaatacc
                                                                      120
acatacctgt gtcattcaaa gatgtggttg tgggcttcac ccaagaggag tggcaccggc
tgagtcctgc tcagagggcc ctgtaccggg atgtgatgct ggaaacctat agcaacctcg
                                                                      180
tctcagtggg ttatgaaggc accaaaccag atgtgatcct cagactggag caggaagaag
                                                                      240
                                                                      300
caccatggat tggtgaggca gcatgcccgg gctgccactg ttgggatgga gtttcactct
                                                                      360
gtcgcccagg ccggagtgca atggcatgat ctcagctcac tgcagcctcc tcctcctggg
ttcaagcgat tctcctgcct cagcctcccg agtagctggg actacaggtg tgtgccacca
                                                                      420
                                                                      480
cgcccagctt attttctatt tttagtagag actgggtttc atcatgttgg tcaggctagt
cttgaactcc tgacgtcaga tgatccacct gcctcggcct cccaaaatgc tgggattaca
                                                                      540
                                                                      578
ggcgtgagcc accgcgccca gcttcaaaat attttcaa
```

```
<210> 2495
<211> 846
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76)...(847)
<223> similar to gi4589676 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400>, 2495 60 gaattcccgg gtcgacgatt tcgtatgact ttggctgcca agctggaaga ctttgagctg acactggage acctgeteat ggatgtgttt atgacggagg geegeegatg teaagtacat 120 180 cttcttgatg acaggaaget ggaactecta gtacagecca agetgttgge caaggagett cttgaccttg tggcttctca cttcaatctg aaggaaaagg agtactttgg aatagcattc 240 300 acagatgaaa cgggacactt aaactggctt cagctagatc gaagagtatt ggaacatgac ttccctaaaa agtcaggacc cgtggtttta tacttttgtg tcaggttcta tatagaaagc 360 420 atttcatacc tgaaggataa tgctaccatt gagcttttct ttctgaacgc gaagtcctgc atctacaagg agcttattga cgttgacagc gaagtggtgt ttgaattagc ttcctatatt 480 540 ttacaggagg caaagggaga tttttctagc aatgaagttg tgaggagtga cttgaagaag 600 ctgccagccc ttcccaccca agccctgaag gagcaccctt ccctggccta ctgtgaagac agagtcattg agcactacaa gaaactgaac ggtcagacaa gaggtcaagc aatcgtaaac 660 720 tacatgagca tcgtggagtc tctcccaacc tacggggttc actattatgc agtgaaggac 780 aagcagggca taccatggtg gctgggcctg agctacaaag ggatcttcca gtatgactac 840 catgataaag tgaagccaag aaagatattc caatggagac agttggaaaa cctgtacttc 846 agagaa

```
<210> 2496
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(477)
<223> similar to gi5295850 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2496
gcgagccctg gacctctctg tgcagtatcc tccagagaac ctgagagtga tggtttccca 60
agcaaacagg acagtcctgg aaaaccttgg gaacggcacg tctctcccag tactggaggg 120
```

```
180
ccaaagcctg tgcctggtct gtgtcacaca cagcagcccc ccagccaggc tgagctggac
ccagaggga caggttctga gccctccca gccctcagac cccggggtcc tggagctgcc
                                                                      240
tegggttcaa gtggagcacg aaggagagtt cacctgccac gctcggcacc cactgggctc
                                                                      300
                                                                      360
ccagcacgte teteteagee teteegtgea etataagaag ggaeteatet caacggeatt
ctccaacgga gcgtttctgg gaatcggcat cacggctctt cttttcctct gcctggccct
                                                                      420
                                                                      480
gatcatcatg aagattctac cgaagagacg gactcagaca gaaaccccga ggcccaggtt
ctcccggcac agcacgatcc tggattacat caatgtggtc ccgacggctg gccccctggc
                                                                      540
                                                                      600
tcagaagcgg aatcagaaag ccacaccaaa cagtcctcgg acccctcttc caccaggtgc
                                                                      646
tecetececa gaateaaaga agaaceagaa aaageagtat eagttg
```

```
<210> 2497
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (101)...(473)
<223> similar to gi3881040 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2497
tttcgtgggg gtatgggcgt gtggtggggc agaaagccta gacccaggtg gtcctgagct
                                                                       60
gggtcccacc ctccgagcca tggtgccccc ctgccagcta ttgacacagc tgcgaagtgc
                                                                      120
                                                                      180
ccaggaagag gagaaccggc agctgctggc tgaagttcag gccctgagcc gggagaacag
ggageteetg gagegeagee tggagagteg ggaceacetg cacegegaac agegggagta
                                                                      240
cctggaccag cttaatgccc tgcgccgcga gaagcagaag ctcgtggaga agatcatgga
                                                                      300
ccaataccgc gtgctggagc ctgtgcccct gccccggacc aagaagggca gctggctggc
                                                                      360
                                                                      420
agacaaggtg aagaggctga tgcggccccg gcgggagggg ggcccccctg gggggctgcg
                                                                      480
cetgggggee gatggggetg geaacacega aageetgggg ggeeeceegg agaeggaact
ttctgagggc atggaagcaa atgggaacag ggtcccttcc cccgcaaccc ttgggcgggg
                                                                      540
                                                                      564
cccagagttc cttttgcttg cggg
```

```
<210> 2498
<211> 816
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (33)...(810)
<223> similar to gi1008988 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2498
                                                                       60
tcatcaggaa cctcaattct cctgcactgc tggaagacag tgtgataaga caagcaaaag
cagctggaaa aagaatagtc ttttatggag atgaaacctg ggttaaatta ttcccaaagc
                                                                      120
attttgtgga atatgatgga acaacctcat ttttcgtgtc agattacaca gaggtggata
                                                                      180
ataatgtcac gaggcatttg gataaagtat taaaaagagg agattgggac atattaatcc
                                                                      240
tocactacct ggggctggac cacattggcc acatttcagg gcccaacagc cccctgattg
                                                                      300
ggcagaagct gagcgagatg gacagcgtgc tgatgaagat ccacacctca ctgcagtcga
                                                                      360
aggagagaga gacgccttta cccaatttgc tggttctttg tggtgaccat ggcatgtctg
                                                                      420
aaacaggaag tcacggggcc tcctccaccg aggaggggaá tacacctctg attttaatca
                                                                      480
gttctgcgtt tgaaaggaaa cccggtgata tccgacatcc aaagcacgtc caacagacgg
                                                                      540
atgtggctgc gacactggcg atagcacttg gcttaccgat tccaaaagac agtgtaggga
                                                                      600
gcctcctatt cccagttgtg gaaggaagac caatgagaga gcagttgaga tttttacatt
                                                                      660
                                                                      720
tgaatacagt gcagcttatt aaactgttgc aagagaatgt gccgtcatat gaaaaagatc
                                                                      780
ctgggtttga gcagtttaaa atgtcaaaaa gattgcatgg gaactggatc aaactgtact
                                                                      816
tggaggaaaa gcattcagaa gtcctattca acctgg
```

```
<210> 2499
<211> 728
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (540)...(731)
<223> similar to gi5706479 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2499
                                                                       60
tttcgtcaça gccctgtcac gaatcccggt cgggttctgg gaggcacagc ctcggggttg
                                                                      120
cgggccgggt gcggctcggc ggtggaggac tcacttcctg ctccatcccc ggctgggccc
                                                                      180
tggggcggaa ctgatgacgc ttgataatgt ggctggggac ttcagggaag agtgggttac
ctggacactg cttagagaat cctctccagg aatgccaccc agcacagtta gaagaatggg
                                                                      240
                                                                      300
ctctcaaagg aatttccagg cctagtgtaa tctcccagcc ggagcagaaa gaagagccat
                                                                      360
gggtcctacc actccaaaac tttgaggcga ggaagatccc gagggaaagc cacacagact
                                                                      420
gtgagcatca ggtggcaaag ctcaatcagg acagttctga aacagcagaa caatgtggaa
catcctcaga aaggaccaat aaagatcttt ctcatactct tagttgggga ggaaactggg
                                                                      480
agcaaggcct agaattagaa gggcaacatg gaacccttcc aggagagggc cagctggagt
                                                                      540
ccttttcaca ggagagggat ttaaacaagc tcctggatgg atatgtagga gagaagccta
                                                                      600
tgtgtgcaga atgcgggaaa agctttaacc agagttccta tctcataaga cacctaagaa
                                                                      660
cccacactgg cgagaggccc tatacgtgca ttgagtgtgg gaaaggcttc aaacagagct
                                                                      720
                                                                      728
cagacctt
```

```
<210> 2500
<211> 1717
<212> DNA
```

```
<213> Homo sapiens

<220>
<221> misc_feature
<222> (121)...(1718)
<223> similar to gi4589670 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2500
                                                                       60
gtgccccggc tgcgctgttg cccgggcggc cgacctccgt gcgtgagcgc cggcaggcac
                                                                      120
cttgcgcgcg cggaacctgc tgacatggcc aagcatggag ccgacgagcc atcctccagg
tcagggagtc cggacaggga aggtagggcc tctgaggaca gatcgctgct tcatcagagg
                                                                      180
                                                                      240
ctggctgtcc gggagctcat cgacactgag gtctcctact tgcacatgct ccagctctgt
                                                                      300
geetetgaca teaggageeg cetecageag ttgeegeagg gagatetgga tgteetgtte
                                                                      360
tcaaacattg atgatatcat caaagtgaac agcagattcc tccatgatct gcaggagaca
                                                                      420
gcctccaagg aagaggaaca agtgcagcta gttggtaaca tatttttgga attccaagag
gagttggagc aagtctataa ggtctactgt gccagctacg accaggcctt gctactggtg
                                                                      480
gacacgtacc ggaaggagcc ggagctgcag cggcacatcc agggcatcgt tgaggcggtg
                                                                      540
gtgccgcaag ctggatcttc aggcctcagt ttcttgctgg taattcctct gcagaggatc
                                                                      600
accapqtacc cactgctgct gcagaaaatc ctggagaaca cagtccctga tgccagtgcc
                                                                      660
tatcctgtcc ttcagagggc tgtctctgcc ctccaggacg tgaacaccaa tatcaatgag
                                                                      720
tacaagatgc gcaaggaagt ggcctccaag tacaccaagg tagagcagct gaccctccgg
                                                                      780
gagcggctgg cccgcatcaa cacacacac ctctccaaga agaccacccg gctgagccag
                                                                      840
ctgctgaagc aggaggcggg gctgatcccc aggacagaag acaaggaatt tgatgattta
                                                                      900
                                                                      960
gaagagaggt tccagtgggt gtctctgtgt gtgactgagc tgaagaacaa cgtggctgct
tacctggaca atctgcagge tttcctctac ttcaggccgc acgaatacaa tctggacatc
                                                                     1020
                                                                     1080
cccgaggggc ctgcagtgca gtattgcaat ttggcaagag accttcacct tgaggcéttc
                                                                     1140
ctgaaattta agcaacggct agaaggcctg gtgtggcagc cactgtgcag cctggccaaa
                                                                     1200
gccctgcttg gccctcagaa cctgatcaag aagcgtctgg acaagctact ggactttgag
                                                                     1260
cgggtggaag agaagctgct ggaggtgggc agtgtgacct accaggagga ggccgcccgg
                                                                     1320
cacacatacc aggractcaa ctcgctgcta gtggctgagc tcccacagtt taaccagctg
                                                                     1380
gtcatgcagt ggctgggcca gatcatgtgc acattcgtga ccctccagag ggaccttgca
aagcaagtgc tgcagagggc agagggaagc atggcccagc tgccccacca ccacgtccca
                                                                     1440
                                                                     1500
gagectgeet teaggaaget ggtggaggae geactgggee ggaegagtaa eeagettege
tcctttcaag agacctttga gaaagtgcag ccacctccca ccacacaacc gctccttcca
                                                                     1560
gggtctgaac gccaggtgca ggctctcctg agcaggtatg gccctgggaa gctgtaccag \iota
                                                                     1620
gtgacaagca acatcagtgg gactgggact ctggacctga ctctgcctcg gggccaaatc
                                                                     1680
                                                                     1717
gtggccatcc ttcaaaacaa ggacaccaaa ggcaaca
```

```
<210> 2501
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (44)...(286)
<223> similar to gi4929647 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2501
                                                                      60
tttcgtcggg ggccctgcca gccgctgtgc ctgctgccct ggagcttaca ctccaggcgg
acgggtcccg ccgaggcaga gggaggctct gaaggtgtgc gctctttctc ttctttctc
                                                                     120
cacagatate geaaacggea ceagtteagg ggggtaeege eegeeteeca gaaccaaaga
                                                                     180
agtcatcatc aatggccaga ccgtgaaact taaatactgt ttcacctgca agattttccg
                                                                      240
geceetege geeteceatt geageetttg tgataactge gtaggeaaat egggatggte
                                                                      300
aggactgtcc caagagaacc agactgagcc acaaggacct ctgatgggga gtgctggacc
                                                                      360
ctggggttcc cttggccccc agatctcaga ttatggacca tcagagcagg aatgccctag
                                                                      420
gggtcttctg accatcactc accttttaga ggcggaaagc caagcaccat cgtgaatatt
                                                                      480
acaagcatga atggcagcct catggaaaga accctccagg tgaatctgag catatacagg
                                                                      540
                                                                      600
ggaacacctg ttcctcttac ctcatataac aggcattagt gacagtcacg agacactgca
                                                                      635
gtatgtatat ctttttatta ccagatgaga tattg
```

```
<210> 2502
<211> 564
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (215)...(563)
<223> similar to gi798946 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2502
                                                                       60
aattcccggg tcgacgattt cgtggcggcg cccagttggg gcgggttcgt tcgcttcgcg
ttttggccag ggcgggggtc tgggctttag gcaggtagta tttagtttca caatgtttgg
                                                                      120
ggacctgttt gaagaggagt attccactgt gtctaataat cagtatggaa aagggaagaa
                                                                      180
attaaagact aaagctttgg agccacctgc tcctagagaa ttcaccaatt taagcggaat
                                                                      240
                                                                      300
cagaaatcag ggtggaacct gttacctcaa ttcccttctt cagactcttc atttcacacc
                                                                      360
tgaattcaga gaagctctat titctcttgg cccagaagag cttggtttgt ttgaagataa
                                                                      420
ggataaaccc gatgcaaagg ttcgaatcat ccctttacag ttacagcgct tgtttgctca
                                                                      480
gettetgete ttagaccagg aagetgeate cacagcagae etcaetgaca getttgggtg
gaccagtaat gaggaaatga ggcaacatga tgtgcaggaa ctgaatcgaa tcctcttcag
                                                                      540
                                                                      564
cgctttggaa acttctttag ttgg
```

```
<210> 2503
<211> 498
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

```
<222> (283)...(499)
<223> similar to gi312212 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2503
gttcccgcgt cgacccacgc gtccgagcaa aaccactctt cctaaaatgt tagaagctgc
                                                                       60
tettegetta cettggggee tttgcattgg gagetgtttt teacateaaa gaatatgtge
                                                                      120
tgaatggaat tttagtattt tgctgtcgtt ttaatatttt cgtctggtct tcctcagttc
                                                                      180
                                                                      240
ttccagacgc tttctgagag aatgggggca ggagctctag ccatctgtca aagtaaagca
gcggttcggc tgaaagaaga catgaaaaag atagtggcag tgccattaaa tgaacagaag
                                                                      300
                                                                      360
gattttacct atcagaagtt atttggagtc agtctccaag aacttgaacg gcaggggctc
                                                                      420
accgagaatg gcattccagc agtagtgtgg aatatagtgg aatatttgac gcagcatgga
                                                                      480
cttacccaag aaggtctttt tagggtgaat ggtaacgtga aggtggtgga acaacttcga
                                                                      498
ctgaagttcg agagtggg
```

```
<400> 2504
cccagtccca cattgagccc tgatcccatc caagtccata gacttggcct ctgaccaaac
                                                                  60
                                                                 120
ctgaccctgc acttgtcact taaggtggtc ccatattcag ctcagaccct gaaccgagct
ctgaccctgg cttctgactg aatctgtgac agactaaggc ctgaccctgg ccctatacca
                                                                 180
                                                                 240
cgtctccacc cgtgtcctca actgagtgct gaccccaaac ctagacagcc ctacctgatc
                                                                 300
cttcccccag gcctgtcccc gccgcttcat ctcaaaagtt gaaggtgagg agccggtaaa
                                                                 360
caggtctgga gcctggtctc agactcagcc tgagcaagct cagtctgggg tcattgggcc
                                                                 420
tgtaaccccg ggcaggccct tgttagggat gcagggtctc accctagggg tataagggat
480
                                                                 540
nnnnnnnnn nnnnnnnnn attttgctgt tagcatatgt gatgacettg acttcacete
                                                                 600
cctggcgcca atatcctctt ctgtaaaatg gcttatgcat tacaaagtga ggtcctgcca
                                                                 660
gtgactacac ctagaggcat taagtgcctt tgtggactcc tgccctgcac ctcacctctc
                                                                 720
ccagcttttt aaccccctga ggaaccttct taccttgagt ccctcacccg ctacaggcca
tocatgagea gatgaactgc aaggagtate aggaggacet ggccetgegg geteagaacg
                                                                 780
                                                                 840
atgeggetge ceggeggeeg teagagatgt ttaaggtgag getggeteag ggtegtggee
                                                                 880
tagcatcttt aagttctggg atccagtctg gggtagggag
```

```
<210> 2505
     <211> 431
     <212> DNA
     <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (3)...(434)
     <223> similar to gill74187 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2505
gaattcgaga agaccaactg gatagtaatt tccagatgca atcagaaaat ttctgttctt
                                                                       60
                                                                      120
atatetteae ceatgeaaag accaagacee tgagagaggg aateettgte actggaaace
ggctggggat gctggtggag acctacctgg atgccatcaa cagtggagcg actccttgtc
                                                                      180
                                                                       240
tggagaatgc aatggcagtt ctggcccagt gtgagaactc agcagccgtg cagagggcag
ccaaccacta cagccagcag atggcccagc aagtgagatt ccccacagac acactccaag
                                                                      300
agctgctgga cgtgcatgca gtttgtgaga gggaagccat tgcagtcttc atggagtact
                                                                      360
cctttaaaga taaaagccag gaatttcaaa agatgcttgt ggacaccatg gagaaaaaga
                                                                      420
                                                                      431
aggaagactt t
     <210> 2506
     <211> 1066
     <212> DNA
    <213> Homo sapiens
     <220>
     <221> misc_feature
     <222> (1)...(1067)
     <223> n = a,t,c or g
     <220>
     <221> misc_feature
     <222> (28)...(149)
     <223> similar to gi2072784 in the genepept database release 114,
```

```
    <400> 2506
    tgaccetegt aagngegttg gaatteecte acetgtgtgg teeteacett cetgggeeac
    cgcetgetga aaeggtttet ggtgeeaaag etgaggaggt teeteaagee teagggeeat
    cccegeetge tgetetggtt taagaggtga gtgageteae ageeegagg cagggeaggg
    gagggeeect gagetgaggg gttggeteea gggttatgge eagggetgga ggaggaggaa
```

```
300
ggctctgtgt catggagaac tctctggcgc cccagggcag gagccagtgg gtggcttcaa
acaaagcagc atctttgtgg tgtttcacca gttcttagtc ccagttacag caggtgactg
                                                                      360
                                                                      420
tggtggacga aaactggact caacagtttc ctccattcag ggatcccagg ccatggagca
                                                                      480
aggagggccc gaatcagtac ctccctcaga tcacctggac agtgtgagac aaaaagccgc
agggaccatc cctggagggg gattcagcag gctcgatcgg ggtccaggtg ctggtatttt
                                                                      540
                                                                      600
tcattagcct ccaggggatt ctgatgtagc cagcagcgtc cttggacaac agtttgagat
                                                                      660
ctgctgcttt tcaaactgga ttccttggag cgctggaaat ctcagcgatg tcacagggca
                                                                      720
ggagagggag gttgtggagg gaaaattcag acttcccgcc cagcccacca tttcaccagg
                                                                      780
cagetetaaa tttatgtgtt ttataageea aggtteacae aaaaaagaaa attegetggg
gggaaaaaaa cagtttctat ggcttaaaaa aaagtctgaa gaccaccagt ctatttcaat
                                                                      840
actctatttt gttgatgaag aagctggtga ccaaagatac ccaaagacta agtcaggggg
                                                                      900
atgcaggggt acaggggtgc ctctcacttt cccaaagtga gatccacata ccacagcaaa
                                                                      960
atgatttgag ccagcctgtg gatgaacaca tttaaaattt tatttataaa tacatttact
                                                                     1020
                                                                     1066
qttacatttg acttctcttt attaaataca tttgtgattt ataaaa
```

```
<210> 2507
<211> 659
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (70)...(597)
<223> similar to gi5924007 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2507
                                                                 60
tacqqqqaat tcqtcaccta ccaaggggtg gctgtgacgc ggagccggaa agaaggcatc
                                                                120.
gcacacaact acaaaaatga gacggagtgg agagcgaaca tcgacacagt gatggcgtgg :
ttcacagagg aggacctgga tctggtcaca ctctacttcg gggagccgga ctccacgggc
                                                                180
240
gtgggctacc tccgggagag catcgcgcgc aaccacctca cagaccgcct caacctgatc
                                                                300
                                                                360
atcacatccg accacggcat gacgaccgtg gacaaacggg ctggcgacct ggttgaattc
cacaagttcc ccaacttcac cttccgggac atcgagtttg agctcctgga ctacggacca
                                                                420
aacgggatgc tgctccctaa agaagggagg ctggagaagg tgtacgatgc cctcaaggac
                                                                480
                                                                540
geccaececa agetecaegt etacaagaag gaggegttee eegaggeett eeactaegee
                                                                600
aacaacccca gggtcacacc cctgctgatg tacagcgacc ttggctacgt catccatggg
gtgagtcgcc tgctggaggc accacctcca ggggctccct ccccaggctc tgggtcttc
                                                                659
```

```
<210> 2508
<211> 248
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
```

```
<222> (3)...(251)
     <223> similar to gi3877926 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
     <400> 2508
ggctggtttc agtttccaag aaaagtgtgt cctacatggt aagcaaggag ggaggtggaa
                                                                       60
acatetetgt cattgteett gggggtgeaa aagaateaet ggatgeteat eetggaaagt
                                                                      120
tcactctgtt catccgccag cggaaaggat ttgttaaaat tgctttgacc catggcgcct
                                                                      180
ctctggtccc agtggtttct tttggtgaaa atgaactgtt taaacaaact gacaaccctg
                                                                      240
                                                                      248
aaqgagcg
    <210> 2509
     <211> 463
     <212> DNA
     <213> Homo sapiens
```

<400> 2509 atctqttatg acaccttgcg cctgtccatc ccctccaccc tgcagcaacc tgggctggct , 60 gagttatgtt gctttgaagg gagacgggat cctcatcgtc gtcaacacag tgggtgctgc 120 getteagace etgtatatet tggeatatet geattactge eeteggaagg tagaggeeet 180 cccttggacc cacctatctg ctgcacgccc tgccttgctg gcagggcaaa cactatttcc 240 tagaagactg taacagctgg cactgccacc ttttccagga aggcctctcc agccttgcag 300 gteccettee tetatgaage cageettetg agatgaacae attgeceeca tttaggcaag 360 420 getggtaget etgeetagee tgagatgeet atgetgeetg ecetgggett cagecaacaa 463 gctaagggga aagggctttt gtctctgata tttctttcag agg

<223> similar to gil370222 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<220>

<221> misc\_feature <222> (44)...(171)

```
<210> 2510
<211> 412
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (167)...(414)
<223> similar to gi5565866 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 2510
acgcgacttc tcgggtcgac ccacgcgtcc gcacatataa cacatcacgc accttttgag
tggctacctt ggttctcgcc tttcttttca agagaccatt cttcaacaga actgtaagga 120
ttcttcttgg ctgaatcaga tgtgacgcat cccacttctg cgtttgaggt ctagcacata 180
ccgctccaag ggctttgacg tcacagtgaa gcactcacac ggaagctgga cgggcttcgg 240
tggggaagac ctcgccacca tccccaaagg gttgaatact tattttcttg tcaacattgc 300
cactattttt gaatcaaaga atttcttttt gcctgggatt aaatggaatg gaatacttgg 360
cctatcttat gcacacttg ccaagccatc aagttctctg gagaccttct tc 412
```

```
<210> 2511
<211> 378
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1) ... (379)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (253) ... (378)
<223> similar to gi5295850 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2511
aggtgacctt ccctggggcc agcgtgacca cgaacaagac cgtccatctc aacgtgtcct 60
gtgagtgctg ggccgggacg cctgggtccc tgatggggtg agcgtcaagc ctggacactg 120
ggtgctgggt cccggaatct gggctggtgg tggggtcagg aggacactgg ctctgccttc 180
cctgtttatg cggctcctgg ggacagacag ggccagtgtc cccagacctc acagtgatgc 240
gggtctccat gtcttctgt cccagacccg cctcagaact tgaccatgac tgtcttccaa 300
ggagacggca cagtatccac agtcttggga aatggctcat ctctgtcact cccagagggc 360
cagtctctgc gcctggtn
```

```
<210> 2512
<211> 948
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (119)...(839)
<223> similar to gi1769467 in the genepept database release 114,
```

```
<400> 2512
                                                                       60
gggacaggac ccagagccgg ggcaagacct attccagcca gaacgggaag tggatcctag
                                                                      120
ctggggccga ggccgagagc caagacttgg caagctacgc tttcagaacg atcacctctc
                                                                      180
cgtgctgaag caggtcaaga aactcgagca ggctttgaag gatgggtcgg cagggctgga
tececagtta ecagggaett gttactecee acaetgeeet cetgacaagg cagaggcagg
                                                                      240
                                                                      300
gtccaccctt cctgagaacc tgggaggcgg gagtggctca gaagtcagcc agagggtcca
cccctcggac ctggaaggca gggagcccac ccctgagctt gtggaggaca ggaaaggttc
                                                                      360
                                                                      420
atgcagaagg ccctgggacc ggagccttga gaacgtgtat aggggctcgg agggttcccc
                                                                      480
cacaaageee tteateaace etetgeeaaa acceeggaga acgtteaaac atgeeggaga
aggggacaaa gatgggaagc ctggcatcgg cttcaggaaa gagaaaagaa atctgcctcc
                                                                      540
tetgeeetet etaceteece egeetetgee etecteteee ecacetteet etgtgaacag
                                                                      600
aagactgtgg accgggagac agaaatccag tgcagaccac agaaagtcct atgagtttga
                                                                      660
                                                                      720
agatttactg cagtcttcct ctgagagcag cagggtggac tggtacgcgc agactaagct
                                                                      780
ggggctgaca cgcactttat cggaggagaa cgtctatgaa gacattctag atccgccaat
gaaggagaac ccttatgagg acatcgagtt acatggtcgc tgcctgggaa agaagtgtgt
                                                                      840
cttgaatttt cctgcttctc ccacctcttc catccctgac acactcacca agcagtcatt
                                                                      900
                                                                      948
gtccaaacct gctttttcc gacaaaattc agagaggagg aatgtatt
```

```
<210> 2513
<211> 534
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (32)...(536)
<223> similar to gi4176448 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2513
gggaaaccct tgtcccaaaa gcccatgtgt acagcaaaag caaatgaccc ggagtcagca
                                                                       60
                                                                      120
gatggatgaa eteetggaeg tgettattga aageggagaa atgeeageag aegetagaga
                                                                      180
ggatcactca tgtcttcaaa aagtcccaaa gatacccaga tettcccgaa gtccaactgc
                                                                      240
tgtcctcacc aagccctcgg cttcctttga acaagcctct tcaggcagcc agatcccctt
                                                                      300
tgatccctat gccaccgaca gtgatgagca tcttgaagtc ttattaaatt cccagagccc
                                                                      360
cctaggaaag atgagtgatg tcacccttct aaaaattggg agcgaagagc ctcactttga
                                                                      420
tgggataatg gatggattct ctgggaaggc tgcagaagac ctcttcaatg cacatgagat
                                                                      480
cttgccaggc cccctctctc caatgcagac acagttttca ccctcttctg tggacagcaa
                                                                      534
tgggctgcag ttaagcttca ctgaatctcc ctgggaaacc atggagtggc tggg
```

```
<211> 582
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(583)
<223> similar to gi3451308 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2514
atgtcagtga gacttccacc catcacaaag tttgcagcag aggaagctcg tgaaagtgac
                                                                       60
tgggatggta tcattgcttg ccatcaaggt aagctatctt gctcaacctg gaattatcag
                                                                      120
                                                                      180
aaatctacaa taggcgctta ctttctcaag ccaaaagagt tgaagaaaga tgacataact
gcaacagcag tggatataac ttcttgtgga aactttgctg taattggcct ctcatcagga
                                                                      240
                                                                      300
actgtágátg tatataacat gcagtctggc atacatcgag gaagttttgg caaggatcaa
                                                                      360
geteacaagg gatetgttag aggtgtegea gtggatggat taaaccagtt gacagttaca
actggtagtg aaggattact caaattctgg aactttaaaa acaaaatttt aatccattct
                                                                      420
gtgagcctca gttcatctac aaatatcatg ttgctacata tggacagcgg cattctggga
                                                                      480
ctcgccttgg atgacttctc cattattgtt ctggacatag aaactatgaa gattgtcaga
                                                                      540
                                                                      582
gagttttctg gacaccaagg cccaataaat gacatggctt tt
```

```
<210> 2515
<211> 942
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (23)...(935)
<223> similar to gi1906596 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2515
                                                                       60
ccgtgtcgac ccacgcgtcc gagagaaagt gggcaaactc agcctggtgg atttagctgg
                                                                      120
cagtgaacga gcaacgaaga caggcgctgc aggggacagg ctgaaggaag ggagcaacat
taacaagtee etcacaacee teggtetggt tateteaget ettgeagate agagtgetgg
                                                                      180
caaaaacaag aataaatttg ttocatatog tgactcagtt ctcacttggc tgctcaaaga
                                                                      240
                                                                      300
cagcctcggg ggtaacagca agaccgccat ggtggctact gtgagtcctg cagctgataa
                                                                      360
ctatgatgaa acceteteaa etetgeggta tgeagatega geeaageaca ttgtaaacea
cgctgtggtg aatgaggacc ctaatgcccg aattatccgg gatctccggg aagaagttga
                                                                      420
                                                                      480
gaaactccgg gagcagctga ccaaagcaga ggcaatgaaa tctccagagc taaaggaccg
                                                                      540
gctggaagaa tctgagaagc taatccagga aatgactgtg acctgggagg agaaattaag
gaaaacggag gagattgcac aggaacgaca gaaacagctt gagagtcttg gaatatctct
                                                                      600
                                                                      660
tcagtcttcg ggaatcaaag ttggggatga taaatgcttc cttgtgaatc tgaatgctga
                                                                      720
cccagctctg aatgagcttc tggtgtacta tttaaaggaa catacattga tagggtcagc
                                                                      780
aaattoccaa gatatocaac tgtgoggoat gggaattott ootgaacact gtattataga
```

```
942
<210> 2516
     <211> 614
     <212> DNA
     <213> Homo sapiens
     <220> _
     <221> misc_feature
     <222> (23)...(487)
    <223> similar to gi2113888 in the genepept database release 114,
       Run with FASTXY 3.3t00, default parameters
     <400> 2516
ctcattacgc caagettggc acgaggaget gecegaegee gatgtggtea teteteagee
                                                                    60
cttctggccc gcatatctca gtgcggagcg aattgccaag gcgcccaagc tgaagctggc
                                                                   120
attgacggcg ggaatcggct cggaccatgt tgacctggat gctgcgatca aggcgggtat
                                                                   180
                                                                   240
caccgtcgcc gaggtgacgt actgcaacag catcagtgtg gctgagcatg ccgtcatgca
                                                                   300
gatectggea etggtgegea attacettee gtegeaceag tgggtggteg aeggeggetg
gaacatcgcc gacagcgttg aacgcgccta cgaccttgag ggattcgatg tcggcatcat
                                                                   360
cgcggcaggg cgcatcggac aagcagtaat gcgtcggctc aagccatttg acgtgcggct
                                                                   420
                                                                   480
geactactic gacactegte gattgeetge ceatgtggag caggagetgg ggeteaceta
tcacccaaac gtgcactcct ggtcagctct gggacatcgt cgacatcatc ccccgtgcag
                                                                   540
                                                                   600
ccacaacata ttacttgttg acgcaaactg atcaattcat gcgcgccgtt tgacattgtg
                                                                   614
aacacgggcg tggg
```

catcacgtca gaaggccagg ttatgctgac tcctcagaag aacaccagaa catttgtaaa

tgggtcatct gtctccagtc caatacagct acaccatggg gacaggatat tatggggaaa

840

900

```
<210> 2517
<211> 622
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7)...(542)
<223> similar to gi499686 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2517
cctgacccct gcctgaatgg aggctcttgt gttgacctag tgggggaatta cacctgcttg 60
tgtgccgagc ccttcaaggg acttcgctgt gagacaggag accatccagt gccagacgcc 120
tgcctctcgg ccccttgcca caatgggggc acctgtgtgg atgcggacca gggctacgtg 180
```

```
240
tgcgagtacc ccgaaggctt catgggcctg gactgcaggg agagagtccc cgatgactgt
                                                                      300
gagtgccgca acggaggcag atgcctgggc gccaacacca ccctctgcca gtgccccctg
                                                                      360
ggattetttg ggettetetg tgaatttgaa ateacageca tgeeetgeaa catgaacaca
                                                                      420
cagtgcccag atgggggcta ctgcatggag cacggcggga gctacctctg ccagtgcccc
                                                                      480
ctgggattct ttgggcttct ctgtgaattt gaaatcacag ccatgccctg caacatgaac
                                                                      540
acacagtgcc cagatggggg ctactgcatg gagcacggcg ggagctacct ctgcgtctgc
cacaccgade acaatgecag ceaetecetg ceateaceet gegaetegga ecceteeteg
                                                                      600
                                                                      622 ·
tgccaagctt ggcgtaatga ga
```

```
<210> 2518
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (30)...(426)
<223> similar to gi5420315 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2518
atacgccaag cttggcacga ggcccggagc cagggaccac ccgtgacgtg ctggagaccc
                                                                       60
cagtcgacct ggccggattt cctgtgctgc tgagcgacac ggctgggttg cgggagggcg
                                                                      120
                                                                      180
tggggcccgt ggagcaggag ggcgtgcggc gcgcccggga gaggctagag caggctgacc
tcattctggc catgctggat gcttctgacc tggcctctcc ctccagttgc aacttcctgg
                                                                      240
ccaccgtcgt agcctctgtg ggagcccaga gccccagtga cagcagccag cgcctcctcc
                                                                      300
tggtgctgaa caagtcggac ctgctgtccc cggagggccc aggtcccggt cctgacctgc
                                                                      360
coccgcacct gctgctgtcc tgtctgacgg gagaggggct ggacggcctc ctggaggcgc
                                                                      420
                                                                      426
tgagga
```

```
<210> 2519
<211> 527
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(530)
<223> similar to gi2905832 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2519 ttagtccagt gcggtggaat tcgttactgt ttggagtttg tttttttcat gcccttgtgc

```
120
aagagagaaa gaaattttgt cctcttggtt ggaatattcc atatggattt aatgaatctg
                                                                      180
acttgcgcat cagtatccga caactgcagt tatttatcaa tgaatatgat acaattccat
ttgaagctat atcttacctg actggggagt gtaattatgg aggaagagtg acagacgatt
                                                                      240
gggacagacg tettetatta accatgetgg etgaetttta taatetgtae atagttgaaa
                                                                      300
acceteatta taagttttet eecagtggaa actattttge accteetaaa ggeacttatg
                                                                      360
aggactacat tgaattcatt aagaaacttc catttactca acaccctgag atatttggat
                                                                      420
tacatgaaaa cgttgacatc tccaaggatc ttcaacaaac aaaaaccctc tttgagtcct
                                                                      480
                                                                      527
tgctcctcad ccagggagge ttcaaacaga caggagcctc aggaagg
```

```
<210> 2520
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(224)
<223> similar to gi5912186 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2520
atgtgtcaac acttttggga gctacatctg caagtgtcat aaaggcttcg atctcatgta
                                                                      60
tattggaggc aaatatcaat gtcatgacat agacgaatgc tcacttggtc agtatcagtg
                                                                      120
cagcagettt getegatgtt ataacgtacg tgggteetac aagtgeaaat gtaaagaagg
                                                                      180
ataccagggt gatggactga cttgtgtgta tatcccaaaa gttatgattg aaccttcagg
                                                                      240
tccaattcat gtaccaaagg gaaatggtac cattttaaag ggtgacacag gaaataataa
                                                                      300
                                                                      360
ttggattcct gatgttggaa gtacttggtg gcctccgaag acaccatata ttcctcctat
cattaccaac aggcctactt ctaagccaac aacaagacct acaccaaagc caacaccaat
                                                                      420
                                                                      456
tectaeteca ecaceaceae caegaattee acegea
```

```
<210> 2521
<211> 961
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (18)...(964)
<223> similar to gi3874766 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2521
gcaccgacgt ggctttctac cccaattact ttgactgcca gacggtggag aagagaatcg 60

```
aggacttcat cgagtcactg ttcatcgtgc tggagtccaa gcgtctggac agagccacag
                                                                      120
                                                                      180
acaagtctgg ggataagatc ccccttctct gtgtcccgtt tgagaaaaag gactttgtag
                                                                      240
gactggacac agacagcaga cattacaaga agcggtgcca aggccgcatg cggaagcacg
                                                                      300
tgggggacct gtgcctgcag gcagggatgc tgcaggactc cctggtgcat taccacatgt
cggtggaget getgegttet gtgaatgaet ttetgtgget tggagetgee etggaaggat
                                                                      360
tgtgttcagc ttctgtcatc tatcactatc ctggtggaac tggtgggaag agtggagctc
                                                                      420
                                                                      480
ggaggttcca gggcagcacc cttcctgctg aagcagccaa tagacaccgg ccaggggcac
aggaagttet cattgateca ggtgeeetea eeaccaatgg catcaaceet gacaccagta
                                                                      540
ctgagatcgg acgtgctaag aactgcctta gccctgaaga cataattgac aagtataaag
                                                                      600
aggogattto ctattacago aagtataaga atgogggagt gattgagttg gaagogtgca
                                                                      660
tcaaggotgt acgtgtcctt gcaattcaga aacggagcat ggaagcatca gaatttcttc
                                                                      720
agaatgcagt ttacattaac cttcgacagc tttctgagga agagaaaatt cagcgctaca
                                                                      780
                                                                      840
geatectete egagetetat gagetgateg gettecateg caagtetgeg ttetteaage
gegtggeege catgeagtge gtggeeceaa geategegga geetgggtgg agggeetget
                                                                      900
                                                                      960
acaaactcct cctggaaacg ctgcccggct acagtctgtc gctggatccc aaagatttaa
                                                                      961
g
```

```
<210> 2522
<211> 879
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (372)...(822)
<223> similar to gi4336692 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2522
                                                                       60
acgtotagto dagogtggtg gaattogdot coggttotog coggototog gaccogooto
                                                                      120
cgaagacgtg gagcgctgcg gcggctgatt tgtcaaagat gaaagtgacc ttatcagctt
tggatacttc tgagagttct ttcacacctt tggtggtcat agaacttgct caggatgtca
                                                                      180
aagaagaaac caaagaatgg ctgaaaaaca gaattatagc taaaaaaaaa gatggagata
                                                                      240
                                                                      300
acaatgatga tttcctgaca atggcagaat gtcaattcat tatcaaacat gaacttgaaa
                                                                      360
atcttagage taaagatgaa aaaatgatee etggttaeee teaggeaaag ttgtateeag
gaaaatcatt gttgagaaga ttgctcacgt ctggcatcgt gattcaggtg tttccactgc
                                                                      420
                                                                      480
atgacagtga agccctgaag aagcttgagg acacctggta cactcggttt gctttgaagt
                                                                      540
atcageceat agacagtatt egtggetaet ttggggaaae aattgetetg taetttggat
                                                                      600
ttttggagta tttcactttt gcattaatcc ccatggctgt cattgggtta ccttactact
                                                                      660
tgtttgtgtg ggaagactat gacaagtacg tgatctttgc ctcgttcaac ctcatctggt
                                                                      720
ccacggtgat tctggaactg tggaagcgtg gctgtgccaa catgacctac aggtgggga
cactgctcat gaagagaaag tttgaggagc cccggccagg atttcatggt gtcttggacc
                                                                      780
tettteetgg ttetettttg caatacatta acagaccett tatcaacata aacaatagta
                                                                      840
                                                                      879
actgagctat taaaggcaac ctctctgaaa aaaaaaaaa
```

```
<211> 522
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (126)...(219)
<223> similar to gi339709 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2523
gaattaagag ttactccggg ccaaatggcc ggagttgtca gatctggcag cgtcttcgct
ggggctccag ggagctgctg ctggggtgga agctctcaca ctctttctcc acgtgccctt
                                                                      120
tccagttccc tgacatcgtg gagttctgcg aggccatggc caacgccggg aagaccgtaa
                                                                      180
ttgtggctgc actggatggg accttccaga ggaaggtaag gcgtctgatc caggtctgga
                                                                      240
gctgggattg aggagggcaa gaggcttctg gatgggcaca gagacaccag ctctgggtga
                                                                      300
ccagggetca gecaccaea ggttaeggee gagetgetca ggeettgget gagecaaggg
                                                                      360
actocatggt ctgtgcagac tgcgtgccat ctgttgcggc aggtgctttg aattggcaaa
                                                                      420
gggacagagc cgggcatggt gctctggggg ttgggggaag gactaaggtc agagcaaact
                                                                      480
                                                                      522
ctcctggctt cagtacttgt gaatcagagg gtttaaaaga aa
```

```
<210> 2524
<211> 722
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (53)...(715)
<223> similar to gi47370 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2524
cttgtcttca tacatgtttt gttcttagag cttaaatatt gaaggcctcc catccaaggg
                                                                       60
ccctatacca ccctggttgt tggatataaa gtacctgtca ccattgttgc tggcttatga
                                                                      120
agatatgatg aaagagaagg acgageteaa tgeeaceete aaggaggaaa tgagaatgtt
                                                                      180
                                                                      240
taggatgcga gcccaagaag tggtgaaaga aaatgaagaa ttgcaccaag agttaaataa
gagtagtget gttaccagtg aggaatggeg teagetteag acteaageaa aactggtttt
                                                                      300
agaggaaaac aagttgttgc tggagcagtt ggagattcag caaaggaaag ccaaggacag
                                                                      360
                                                                      420
ccaccaggag cgcctccaag aagtttctaa gctgactaaa caactaatgc tcctggaggc
aaaaacccac ggccaggaaa aggagctggc ggagaacagg gaacagctgg agattttacg
                                                                      480
tgccaaatgc caagaactca aaacacactc ggatggcaaa atcgcagtgg aagttcataa
                                                                      540
atcaattgtg aatgaattaa aaagccaatt acagaaggaa gaagagaaag aaagggctga
                                                                      600
                                                                      660
gatggaggag ttgatggaga agctgacagt cctgcaagcg cagaagagcc tgctgttaga
gaagaacagt ttgacagagc aaaacaaagc actggaagcc gaacttgaac gagcaatgta
                                                                      720
                                                                      722
```

```
<210> 2525
<211> 709
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(350)
<223> similar to gi349301 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

	<400>	2525					
			gcgggacccc	cacctcagag	cctgcaggcc	ggctcccact	60
	cctacaaccc	tetatectae	tttcaggtgg	gcctgtccac	gtcccctct	gtccttaact	120
	ccattadacc	traactcaca	tggacagcaa	tagaattaga	ggaagggccc	tgaaggcagc	180
	ccaecagace	actgtagacc	tccagctaca	ggcatttgtg	tttgggcacc	agctacccca	240
	cateceage	ggtcatctct	gggcataaac	cccacccc	cagaaaggag	gcttcctgtc	300
	catcttagec	accadetead	ccaaaagcca	gaaagctgct	ctqqaqcata	acctgacccc	360
٠	cccccgggc	accadecea	tetteteetg	gctggcactg	ctctqqtcat	agaattgatc	420
	cttcatccac	ctttacccca	aacaagaggt	atctccctaa	qtqaqqacaa	agtggggagg	480
	ggaagggg	tagaacttaa	agcccctcca	ccagccatcc	aggetgect	tctcagctcc	540
	teggaggg	acaccaatac	cactitagta	tttagtaggc	cacccccqqq	acctccatca	600
	ggagagtgga	geaceggege	ccacaatgct	ttgaatagtc	gacgcctgtg	cctcctggga	660
		gaaccggaag	gagagtgagt	gagaggagag	tatattett		709
	991010101999	caccectgeg	3~3~3~3~3~	5-5-55-5		the state of the s	

```
<210> 2526
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(428)
<223> similar to gi6002669 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
    <400> 2526
    cccggctcga gccgggataa cttattagat aatcatcgaa gacaaaaata cctggaaaaa 60
    atatgggtta ttactgagga aatgtacgag tattccaagg tccgctcatg gggcaaacag 120
    cttctccata accaccaagc cactaatatg atagcattac tcacaggggc cttggtgact 180
    ggagtagata aaggatctaa agcaaatata tggaaacagg ctgtagtgga tgtcatggaa 240
    agaagctaca cagctaaatc cgtcacacag tatgttttc tggcccagcg ccattttaat 360
```

```
<210> 2527
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(385)
<223> similar to gi3392917 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

. 400-	2527					
<400>	2527					60
atttcagaat	atdacctoto	agctccatct	gacttgctct	gtggaggatg	cagatgacaa	
		ccttgggaaa	cacactttca	agtcagccaa	acctcactgt	120
tgtctcattc	agatgggagg	CCCCgggaaa	cacacccc			180
atactagasc	cccaggattt	ccagtgaaca	qqactacacc	tgcatagcag	agaatgetgt	100
ccccgggac	cccaggacc			gaagatatta	aaattcaata	. 240
caqtaattta	tecttetetg	tetetgecea	gaagettige	gaagatgtta	aaattcaata	200
	anastrattc	tatttataat	ttctgggata	tocataotct	tcggtttcat	300
tacagatacc	aaaacgaccc	cgcccacgg			atactcacca	360
catactocto	ttacttqttt	tgaggaaaag	aagagattcc	ctatettigt	ctactcagcg	•
00000-33		22222222	cctagagtat	gtttcagtgt	ctccaacgaa	420
aacacagggc	cccgcagagu	Ccgcaaggaa	cccagageae	9000003030		446
annantata	tatgcttcag	tcactc	•			440
<i>caacactgtg</i>						

```
<210> 2528
<211> 864
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(865)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (36)...(777)
<223> similar to gi4895145 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2528
cagtggcggt ccgagatgaa tgctactggc gccacgtctt ctgggaccag gacctctgga 60
tgctcctttt tattttgatg tgccacccag aaaccgccag ggccaggctg gagtaccgca 120
```

```
180
teegeacget ggaeggggee etggagaacg ceeagaacet gggetaceag ggagecaagt
                                                                      240
ttgcctggga gagtgcagac tccggcctag aggtttgccc tgaggacatt tacggagtcc
aggaggteca egteaacggg geegtggggt tggeettega getgtaetae cataccaece
                                                                      300
                                                                      360
aggacctgca gctatttcga gaggctggtg gctgggacgt ggtcagggct gtggccgagt
                                                                      420
tttggtgcag tcgtgttgag tggagcccca gggaggaaaa gtaccacctg aggggagtca
                                                                      480
tgtcccccga cgagtaccac tcaggggtca acaactctgt gtacaccaac gtcctggtcc
                                                                      540
agaacageet gegetttget getgeeetgg eecaggaeet gggtetteee ateeceagee
                                                                      600
agtggctggc ggtggctgac aagatcaagg taccetttga cgtggagcag aacttccace
                                                                      660
cggagttcga tgggtatgag cctggagagg tggtgaagca ggcagacgtc gtgctcctgg
                                                                      720
gatacccagt ccccttctcc ctgagtcctg atgttcgcag gaaaaatctg gagatttacg
                                                                      780
aggetgtgae gteececcag ggeecegeea tgaeetggag eatgtttget gtgggetgga
tggagctgaa ggacgcagtg cgggcccggn gcctcctgga caggagcttt gccaacatgg
                                                                      840
                                                                      864
ctgaaccctt caaggtgtgg acgg
```

```
<210> 2529
<211> 640
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(642)
<223> similar to gi5901808 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2529
tgtggtagca gttgaatatg ccctgtcgaa ttaccttttt gcagctgttg gaaaccctaa
                                                                       60
                                                                      120
ggacttgttt gaggtttgtt tgatggctca ggatttggac acagctgcct cttaccttat
tatcttacag aatatggaag teectgeagt aagtaggeaa catgetacce ttetatteaa
                                                                      180
                                                                      240
cacagcacta gaacaaggca agtgggacct ttgtcgacac atgattcgat ttcttaaagc
cattggctct ggagaatctg agacacctcc atccacaccc acagctcagg aacccagttc
                                                                      300
                                                                      360
aagtggtgga tttgagttct tcaggaatcg aagcatcagt ttatcccagt cagctgaaaa
tgttcctgcc agtaaattca gtttacagaa aacactaagt atgccatctg gtccctctgg
                                                                      420
                                                                      480
aaaaagatgg agcaaagaca gtgactgtgc tgagaacatg tatattgaca tgatgctctg
                                                                      540
gagacatget eggegeetet tagaagatgt gaggttaaag gacettgget getttgeage
                                                                      600
ccagctgggc tttgaactaa ttagttggct atgcaaggaa cgtacccgag ccgcccgggt
                                                                      640
agacaacttt gtaatagccc tgaagagact ccacaaagat
```

```
<210> 2530
<211> 449
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (175)...(450)
```

# <223> similar to gi6010763 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2530
                                                                      60
cagtgtggtg gaattcacgg tctgccacac cagggggcca tagtgccgac aggggagcag
cctggggtgg cagcccaagg ccagctgctg tttgttttcc tctgatcctt gtggaaggcc
                                                                      120
caaaaggate ttttgtgact ggeetaaaat etgeeagget ggaetgtget gtteetetet
                                                                     180
                                                                      240
qtcctggggc tcctggcctc ccgggctgtg tccgcactca gcagcctctt cgcggccgag
                                                                      300
gtettececa eggtgateag gggggeeggg etgggeetgg tgetggggge egggtteetg
                                                                      360
ggccaggcag ccggccccct ggacaccctg cacggccggc agggcttett cctgcaacaa
                                                                      420
gtegtetteg cetecettge tgteettgee etgetgtgtg teetgetget geetgagage
                                                                      449
cgaagccggg ggctgcccca gtcactgca
```

```
<210> 2531
<211> 452
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(257)
<223> similar to gi557250 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2531
actageccag tgeggtggaa ttegtgeetg aaggtgeece cateacagtg acetgtgegg
                                                                       60
accetgetge ceaegeacce teactetata ettggtacca caaeggtegt tggetgeagg
                                                                      120
agggtccage tgcctcacte teattcctgg eggccaegeg ggctcatgca ggegcctact
                                                                      180
cttgccaggc ccaggatgcc cagggcaccc gcagctcccg tcctgctgcc ctgcaagtcc
                                                                      240
tctgtgagca gagggtcctt ggccagggct gcccaggagg agggtggtgg agggtgcttc
                                                                      300
                                                                      360
tgggctctgg tgggagtggg caaaggactg cagtgggccc aggaatgggc agttggggaa
agaggacata ggtgctagag aaagagacag teetataage eetgeetgga geactetgee
                                                                      420
                                                                      452
cacaggactc ctgggaaggt gtcacttcta gg
```

```
<210> 2532
<211> 446
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (76) ... (186)
<223> similar to gi386047 in the genepept database release 114,
```

```
<400> 2532
                                                                       60
tggcctcaag agcaggtaga ctcaaggtgg gggcactete cetgteetet eteccetttg
                                                                      120
ccacgcatgc tgccagggtt tcccccagac cagaggaatg gagacaagga gtttgtgatc
cgcagagcag ccaccaatcg tgtcttgaac gtgctccgcc actgggtgtc caagcactct
                                                                      180
caggtgggtg ggagccctcc ctgggcaggc tgctggggac caccaggcaa tggccccagg
                                                                      240
                                                                      300
aaccagctgc cttccaaaag cagctgcggg cagagtgagc tgatggctgg cagtggggca
gcagaaggga gggagctcaa atgtgccacc ctgatgttcc cggaggactg ctcagattcc
                                                                      360
ctaggaggga acaaaggaca tggaagggac aatgggtctc tgtctatcca ccctgcctgt
                                                                      420
                                                                      446
agcaggggta caggaattcc tccgca
```

```
<210> 2533
<211> 497
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (257)...(436)
<223> similar to gi4589614 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2533
cccttgatga ccatctagtc agtgcggtgg aattcccatg acagacgtat ctgactggtc
                                                                       60
                                                                      120
atgtggtcag caagcetege etttggtcag geeetggagg gtacagetga eccataggge
cacttecatg geactgggea agtggetgta ttggaaatga agtegttgee eeegatttet
                                                                      180
ttggggccag gttgagcttt cctgcccaga gcacggaggc taaagggggt gggctttgga
                                                                      240
                                                                      300.
ctggattggg gctgacctca gcctacacct gcaggaggag gtggagacag aggtggcctg
                                                                      360
ggaggaatgt gggcacgtcc tactgtcact gtgctacagc tctcagcagg gtggcttgct
                                                                      420
ggtaggtgtg ctgcgctgcg cccacctggc ccccatggat gccaatggtt actcggaccc
                                                                      480
cttcgtgcgc ctgtgagtga actggggtag gcaggcggga ggtgaggata aggcggtgac
                                                                      497
tcctcacctc tccaggg
```

```
<400> 2534
                                                                       60
cagegtgacg aggaggagee ggaeggegte ecagagaagg geatgagete gggeeceagt
                                                                      120
gccaggaaag gcaaggggca gatcgagaag aggaagctgc gggagaagcg gcgctccacc
                                                                      180
ggcgtggtca acatccctgc cgcagagagg taaagagttc agaagtaaga taaaagaaga
ccaaagacaa actacttcag ggctatttcg tgaagcagaa acagcacttc atcaggtggc
                                                                      240
ttttgcggga ggaagcactg ttaatgccct taggcgtaag ggtaaatgat tcaacttact
                                                                      300
                                                                      360
taaggaaata cattttcttc taacttgaaa cattaaaaac aaaaaatatc tacaaacttt
tactatagaa agatcaaatg tggccagcac tttgggaggc tgaggtgggc agatcacctg
                                                                      420
aggtcggggg ttctagacca gcctgaccaa catggagaaa ccctgtctct actaaaaata
                                                                      480
caaaattage caggegtggt ggcacatgee tgtaateeca ggtaeteaag aggetgagge
                                                                      540
                                                                      568
aagagaatca cttgaacccg ggggacag
```

```
<210> 2535
<211> 840
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (288)...(492)
<223> similar to gi3184264 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2535
ctcgtgtggt ggaattcgaa gccttcaaca tggactctgc ctactcagaa caagctgcgg
                                                                       60
tgctcctgca gaggagcagg ccatcccggg gaggcacctc tgcctggggc aagtgttccc
                                                                      120
                                                                      180
tgccgaagtt taccgtcccc aaaggcagac ttggcgtgac gaggatagga gacttgtccc
                                                                      240
tgcaggatat gaggaaggta cettetetgg ceeteataga getgaeegeg etetgtgaea
tecteggett ggaeetgaag aggageaagg eggggaagtg gaaageggea gaaaetegee
                                                                      300
                                                                      360
tetttggtgt geceettgae ageetgetag aagetgaeea caaagteete eecageaeae
                                                                      420
aggtcccgct ggtccttcaa gccctgctgt cctgtttgga aaagagagga ctggacatgg
                                                                      480
aaggcattet cagggtgeee ggateeeagg eeagggteaa ggtteateeg gaagetgeeg
acacetttge teacggetga gtaceteeeg geettegeeg tggtgeetaa cateeecaac
                                                                      540
                                                                      600
ctgaagcagc gcctgcaggt tcttcacctg ctcatcctca tcctcccaga acccaacaga
                                                                      660
aatgeettaa aggeaetget ggaatteete aggaaggtgg tggeeeggga acageaeaae
aagatgactc tgaggaatgt ttccaccgtg atggccccta acctctttct gcaccaaggg
                                                                      720
                                                                      780
cggccccca agctccccaa aggcaaggag aagcagctgg cagaaggggc agccgaggtg
                                                                      840
gtgcagataa tggtgcacta ccaggatctg ctgtggacgg tcgcctcttt cctggtcgcc
```

```
<210> 2536
<211> 428
```

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(427)
<223> similar to gi2088685 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2536
tggtggaatt ctcgccatgg aatatgcacc aggcggcact ctggctgagt tcatccaaaa
                                                                       60
gegetgtaat teeetgetgg aggaggagae cateetgeae ttettegtge agateetget
                                                                      120
tgcactgcat catgtgcaca cccacctcat cctgcaccga gacctcaaga cccagaacat
                                                                      180
cctgcttgac aaacaccgca tggtcgtcaa gatcggtgat ttcggcatct ccaagatcct
                                                                      240
tagcagcaag agcaaggcct acacggtggt gggtacccca tgctatatct cccctgagct
                                                                      300
gtgtgagggc aagccctaca accagaagag tgacatctgg gccctgggct gtgtcctcta
                                                                      360
                                                                      420
cgagctggcc agcctcaaga gggctttcga ggctgcgaac ttgccagcac tggtgctgaa
                                                                      428
gatcatgg
```

```
<210> 2537
<211> 448
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (54)...(316)
<223> similar to gi306782 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2537
                                                                      60
ttagaccage gtggtggaat teggagagge tgetacagaa ggagaggetg etggageagg
                                                                      120
aggagagget geaaaggeag gaggagagge tgagggaaca ggaagagagg etgtgggage
aggagcagag gctgagggag caggaggaga ggctgctgga actggagcag aaagccaagc
                                                                      180
                                                                      240
tetgggacga geaggeagag acacacatge aaaccatgeg gaatgactge accaccatea
                                                                      300
gccacatget etegeagaac caegagettg ataageaget gggegageea cagtaegaet
tecaggaget ggtgggttge eccaectggg gageetgeet tecteectag ecctecagge
                                                                      360
ctttgtttcc ccacctgtaa aatgggcata tgtagccctc acgtgaaatg gtacttctaa
                                                                      420
                                                                      448
aggaacctgt gagccagagc cctgctct
```

```
<210> 2538
<211> 495
```

#### <213> Homo sapiens

```
<220>
<221> misc_feature
<222> (32)...(428)
<223> similar to gi141852 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 2538
cattetggtg gaatteeega agacagagga ggetegaeee teaccegeee caggaccagg
                                                                       60
                                                                      120
gacccccacc gtgaccccta ccaggacccc ttccagaacg geteetggtg ccctgaccgc
caaacccccg cttgccccca agccgggaac cacagtggcc tcaggagtga ctgcacggag
                                                                      180
tgcatcagga caagtgacag gtgggcatgg agctgccgca gcaacatcag catcagcagg
                                                                      240
acaggeteet gaggaceet caggeeetgg cacaggeeee tetgggaett gtgaggetee
                                                                      300
ggtagctgtc gtgaccgtga ccccagctcc ggagcctgct gaaaactctc aagacctggg
                                                                      360
                                                                      420
ctccacgtcc agcctgggac ctggcatctc tgggcctcga gggcaggccc cggacacgct
gagttacttg gactccgctg agcctcatgt ctgggacctt ggagtccttg gcggatgatg
                                                                      480
                                                                      495
tgagctccat gggct ...
```

```
<210> 2539
<211> 635
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (518)...(637)
<223> similar to gi3212997 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2539
tgaagacccc tgaacagcgt ggtggaattc tttatggata cttgtctctc aggggcaatt
                                                                       60
aggtggaaca tgcgtgacca gcttttacac atgaggaaat ggaggctcac agaggcagaa
                                                                      120
tcactaagca actcccctta aagtcaccca cccaggtgga gctggaattt gagcctaagc
                                                                      180
                                                                      240
agccaggctg ccctgggcag cggtgggtga caggttggca gagagcaggt ttttgtctgt
                                                                      300
ctgggtctta cccctttagc cccatagtca ggcaggtgga ctcgtgaagc tgtgggcagc
tttatcctct gaggcggtgg gtctcaagtg tccagctcac ctggcactca gctgtggggc
                                                                      360
                                                                      420
tegtgactge agettaggae tagaccetea teetteetgg ggteagtgtt tagtggeeaa
                                                                      480
ggctggggga tgctgaggaa gactgggggc ccaggctggg aggcagaagg ggaaggtcct
tettettggt gtccacttgc ctgtgtcact gcccctgcag gtggtggagt tgcccgtgac
                                                                      540
agagegeeag attgagegeg aacaceteat teagetgegg egetggeagg agaceegggg
                                                                      600
                                                                      635
tgagetgeag tgeegeteee egeceagget geatg
```

```
<210> 2540
<211> 1267
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (414)...(694)
<223> similar to gi1871531 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2540
aagegeggtg gaattegtet etggeteaac teagtgggat cattagacte atgtettaca
geetggtgae atttecatge tttaageegg agtggtetgt teagtgaeea eagtaetgea
                                                                      120
acacctgcca accagtgtct gaaaatagtg gctcatgtat tttgtccagt ttctagttgc
                                                                      180
                                                                      240
ttacagtggg agggtatect ggactgtatt teceetgeat ggteageage geaecteeat
tgagtctgca tgtgtttaat ctgatggctc tgttggctgg cgtctgttat aggttataag
                                                                      300
tatagctgcc tgtgcttcca ccacgagcac ctggggtgtc ttgtggcatg attgagctag
ctctgaaget gactecetet teteactece tgeettttet eeettaeett ttgcagaaaa
                                                                      420
ggggtgagcg gtactgggcc caggagcagg agccactgca gactgggctt ttctgcatca
                                                                      480
ctctgataaa ggagaagtgg ctgaatgagg acatcatgct caggaccctc aaggtcacat
                                                                      540
tccagaagga gtcccgttct gtgtaccagc tacagtatat gtcctggcca gaccgtgggg
                                                                      600
                                                                      660
tececageag tectgaceae atgetegeea tggtggagga agecegtege etecagggat
ctggccctga acccctctgt gtccactgca ggttttggaa atgggcttca ggagggtctg
                                                                      720
gtgaggcaga ggggacagag catggagggg agtácagggc atggggctag tcttgtagtc
                                                                      780
                                                                      840
tgagtgccta ttttgagaac ccttgctcac cctccatgga ctgtaattgt gagcacttgt
tcagcacaga ctcagctggg gaataagcac acagctcttg ctcaacaaaa tgtaagtgat
                                                                      900
taaaaaggtt ttccttgttc agatataatc tgaagattct gggaatcaag aggctctgca
                                                                      960
                                                                     1020
ggggatccat caggaccctc acccccatcc ccaaatgccc catctaaaag gggttgtggt
                                                                     1080
caggacctga ccaggcacac tctgattctc ttgtcagtgc gggttgtggg cgaacaggcg
tectgtgcac cgtggattat gtgaggcage tgeteetgae ccaggtacga tacaggcate
                                                                     1140
ctgtgtgtgc agtgtgctgc ccatgaccac gtgtcctgct caagtgcctt gtctgtctgc
                                                                     1200
cccagatgat cccacctgac tttcagtctc tttgatgtgg tccttaagat gagggaagca
                                                                     1260
                                                                     1267 ·
gcggcct
```

```
<210> 2541
<211> 647
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(650)
<223> similar to gi5441615 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

<400> 2541

```
60
tgcggaattc cagatgcact aaatgtgaga aggtctgcaa tcggcattca tcccttattc
                                                                      120
aacatcagaa agttcataca aagaaaaaga aactatttga gtgtaaggaa tgtgggaaga
tgttttctgg aactgcaaac cttaaaatac atcagaatat tcattctgaa gagaaacctt
                                                                      180
                                                                      240
tcaaatgcaa taaatgtagt aaagttttcg gccgccaatc atttcttatt gaacatcaaa
                                                                      300
gaattcatac tggagaaaaa ccctaccagt gtgaggaatg tggaaaagcc ttcagccacc
                                                                      360
gaatatetet cacacgacat aagagaatte ataetgaaga tagaccetat gaatgtgate
agtgtgggaa ggccttcagc cagagtgcac acctcgccca acatgaaaga attcacactg
                                                                      420
gagagaagee atatacatge aaaacatgtg gtaaggeett tagteagege ácatetetta
                                                                      480
ttctacatga aagaagtcat actggagaga aaccctatga atgtaatgaa tgtgggaagg
                                                                      540
catttagcag tggctcagac cttattcgac atcagagaag tcattcttca gagaaaccct
                                                                      600
atgaatgtag taaatgtggg aaggcatata gtcggagttc atccctg
                                                                      647
```

```
<210> 2542
<211> 746
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (213)...(743)
<223> similar to gi2443331 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2542
                                                                 60
cqaqtgcgct ggaattccaa gatgggaggg cgagggggcc atacccggtg gtcggggttg
gcctgaaggg gctatgacca gctgctgccc tggtcactgc ctttgtggct tctaccggtc
                                                                 120
tgggcctgct ccccagaagg ctgtacactg ggaggagctg ccaggaggtt gtgcctggtg
                                                                 180
                                                                 240
ggaaggtgtt gctggtgaag gacaatgggg agttccacgc cctgggccat aagtgtccgc
                                                                 300
                                                                 360
actacggcgc acccctggtg aaaggcgttc tgtcccgtgg tcgggtgcgc tgcccctggc
                                                                 420
acggcgcctg cttcaacatc agcactgggg acctggagga cttccctggc ctggacagtc
                                                                 480
tacacaagtt ccaggtgaag attgagaagg agaaggtgta cgtccgggcc agcaagcagg
ccctacaget gcagegaagg accaaggtga tggccaagtg tateteteca agtgctgggt
                                                                 540
                                                                 600
acagcagtag caccaatgtg ctcattgtgg gtgcaggtgc agctggcctg gtgtgtgcag
agacactgcg gcaggagggc ttctccgacc ggatcgtcct gtgcacgcta gaccggcacc
                                                                 660
ttccctacga ccgtcccaag ctcagcaagt ccctggacac acagcctgag cagctggccc
                                                                 720
                                                                 746
tgaggcccaa ggagtttttc cgagcc,
```

```
<210> 2543

<211> 1221

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (250)...(754)
```

<223> similar to gi632549 in the genepept database release 114, Run with FASTXY 3.3t00, default parameters

```
<400> 2543
                                                                     . 60
gggtggaatt cgggcagcct gcgcctgggt accgaggctg ctgcgcggcg gacagcgggc
gcgatgtatc tccgcagggc ggtctccaag actctggcgc tgccgctgag ggcgcccccc
                                                                      120
                                                                      180
aaccccgcgc cgctcggaaa ggacgcatct ctgcgccgga tgtcatctaa cagattccct
ggatcatctg gatcaaatat gatttattat ctggttgtag gcgtcacagt cagtgctggt
                                                                      240
                                                                      300
qqatattatg cttacaagac agtcacatca gaccaagcca aacacacaga acataaaaca
aatttgaaag aaaaaacaaa agcagagata catccatttc aaggtgaaaa ggagaatgtt
                                                                      360
geggaaactg agaaagcaag tteagaagee eeagaagaae ttatagtgga agetgaggtg
                                                                      420
                                                                      480
gtagatgctg aagaaagtcc cagtgctaca gttgtggtca taaaagaggc atctgcctgt
ccaggtcacg tggaggctgc tccggagacc acagcagtca gtgctgaaac cgggccagag
                                                                      540
gtcacagatg cagcggcgag ggaaaccacg gaagtaaacc ctgaaacaac cccagaggtt
                                                                      600
acaaatgctg ccctggatga agctgtcacc atcgataatg ataaagatac aacaaagaac
                                                                      660
gaaacctctg atgaatatgc tgaactagaa gaagaaaatt ctccagctga gtcagagtcc
                                                                      720
tetgetggag atgatttaca ggaggaagee agtgttgget etgaggetge tteggeteaa
                                                                      780
ggctaatctc cagceggtag acatttcage aacaaatgcc atagggtgtc tgataagtge
                                                                      840
ttttgtgttt ttagtacact tagtttaaaa aaaaaaagac ttattttcta gaaaacgtta
                                                                     900
atgggtcttg aagatttttg gcatccactg atagatttta ggactgagag acttgagatt
                                                                      960
gtacatttct tactactctt ctactgtctg agatcagaat atgacattgc agtaaagagc
                                                                     1020
ttaaatagtt tcatctttgg tttttttttc tagacacttt tcttttatcc cagtcatctc
                                                                     1080
tgaatttaca ttttatatta aagaaattga gctatccata caacctgtat ttactttaat
                                                                     1140
ttcactactg tttcagctta ctttattgta tgatatgtag gtctaaaata tagtttgagt
                                                                     1200
                                                                     1221
caaataaaat tagaaactgc t
```

```
<210> 2544
<211> 427
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (16)...(215)
<223> similar to gi1002425 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2544
gtccagtgtg gtggaattca ccaggtgtcc ggggcagtgg tagtatctgg gctgctgcag
                                                                      - 60
                                                                      120
ggcatgatgg ggctgctggg gagtcccggc cacgtgttcc cccactgtgg gcccctggtg
ctggctccca gcctggttgt ggcagggctc tctgcccaca gggaggtagc ccagttctgc
                                                                      180
                                                                      240
ttcacacact gggggttggc cttgctgtac gtgagtcctg agaggcgtgg gatggtgccc
                                                                      300
agtgggggtg tatgggggga ctagggggagg gcagaactgc tggtcctatc agattcagca
gcgactggaa tagggacata ttttatattt ggaatccaag acttttcctt gattcatctg
                                                                      360
                                                                      420
gtctccttga atttcacact gttttctgct gtcccccaag gtcacttcct attccttcca
                                                                      427
tgggagt
```

```
<210> 2545
<211> 1439
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(584)
<223> similar to gi2746788 in the genepept database release 114,
    Run with FASTXY 3.3t00, default parameters
```

```
<400> 2545
tgaatteete aggggtgaag etettgeagg eacttggeet tagteetggg aatgggaaag
                                                                       60
atcacagcat tetgeattea aggaatgate tggaagaage etteatteae tteatgggga
                                                                      120
                                                                      180
agggagcage tgctgagcgc ttcttcagtg ataaggaaac ttttcacgac attgcccagg
ttgcgtcaga gttcccagga gcccagcact atgtaggagg aaatgcagct ttaattggac
                                                                      240
agaaatttgc agccaactca gatttaaagg ttcttctttg cggtccagtt ggtccaaagc
                                                                      300 -
tacatgaget tettgatgae aatgtetttg ttecaccaga gteattgeag gaagtggatg
                                                                      360
                                                                      420
agttccacct cattttagag tatcaagcag gggaggagtg gggccagtta aaagctcccc
                                                                      480
atgccaaccg attcatcttc tctcacgacc tctccaacgg ggccatgaat atgctggagg
tgtttgtgtc tagcctggag gagtttcagc cagacctggt ggtcctttct ggattgcaca
                                                                      540
tgatggaggg acaaagcaag gagctccaga ggaagagact cttggaggta atggcactgt
                                                                      600
tacagaattt cacagatete agetggtggt tttetteagg ttecageete tettggeate
                                                                      660
tgctgccttg tttcctgtgg aaacagcaag cagctctgca cggttcttct catccttgcc
                                                                      720
                                                                      780
ttgcagaaga gcctgtttat ttttgcctct gtcacttcct gaagaaatca gtgtattttc
                                                                      840
aatacagtgt ggctcctttc tcctaggttc agttaggtcg tgtttcctag cagtgtcact
attcaagggt tgagtccacg tcttgctctc tggagaatgt caatgtaatg tatttttccc
                                                                      900
atcgtacaga gtctttgttg atttgcaaaa tgttggattt ggggttcata cccatatttt
                                                                      960
                                                                     1020
ttgttgtcat gggcatttag gtcatcagtc tgttctctta tttgcttgtt cttttgttaa
ttcattccca tggctatatg ccagacacag catgatgcag aaggaatacg acagaggatg
                                                                     1080
                                                                     1140
acacaggece tgeceteage teacagttta etgecagaga tagacaettg gaaaaagtaa
                                                                     1200
ttgcaggccg ggcatggtgg ctcacgcctg taatcccagc actttgggag gctaaggcag
gcagatcacc tgaggtcagg agtttaagac cagcctggcc aacatggtga aactccgtct
                                                                     1260
                                                                     1320
ctactgaaaa tacaaaaatt agccaggcgt ggtggcgggt acctgtaatc ccagctactc
gggaggctga ggcaggagaa tcgcttgaac ctgggaggca gaggttgcag tgagctgagg
                                                                     1380
                                                                     1439
togogocatt gogotocaac otgggcaaca gagtgaaact ccatotoaga aaaaaaaaa
```

```
<210> 2546
<211> 354
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (3)...(279)
<223> similar to gi4235228 in the genepept database release 114,
```

cagaaatggc aaggaggaac agagccaaga tgggcgatgc ctctacacag ctctcatcct

acgtgaagca ggtccagaca ggccacaagc ccagcacaaa ggagatagtt cgcttctcca

aactatttga ggaccagctg gccctggaac acttagatcg ccctcagctg gttgcccttt

60

120 180

<400> 2546

```
gcaaactgct ggaattgcag acatttggaa ccaacaacct gctccgcttt cagctcctga
                                                                         240
tgaaactgaa gtctataaaa gcagatgatg aagtaagagc ttaaccatag ctctagggaa
                                                                         300
                                                                         354
ttagcaaggt tttgggacat accttagggt gcctgtggga tgaagtgtgc agta
     <210> 2547
     <211> 1061
     <212> DNA
     <213> Homo sapiens
    <220>
     <221> misc feature
     <222> (1)...(1062)
     \langle 223 \rangle n = a,t,c or g
     <220>.
     <221> misc feature
     <222> (10)...(1061)
     <223> similar to gi3955096 in the genepept database release 114,
```

```
<400> 2547
cgtggtggaa ttcatgagag acgcttgctc tcccagaaga cagacaatga gatttggaac
                                                                       60
accttcttcc acgggcgcta tctgatccta cttatgggca tcttctccat ctacacgggt
                                                                      120
ttgatctaca atgactgett etecaagtee ttgaacatet ttggetette ttggagtgte
                                                                      180
                                                                      240
caacccatgt tcagaaacgg cacatggaat actcatgtaa tggaggaaag tctatatctg
                                                                      300
cagctggacc cagccatacc aggagtgtat tttggaaatc catacccgtt tgggattgat
                                                                      360
ccgatttgga acttggcttc aaacaaactc acatttctga actcgtataa aatgaagatg
                                                                      420.
teggtgatee tgggaattgt ceagatggtt tttggtgtea teeteageet ttteaateae
atatacttca gaagaactct caacatcatt ctgcaattta tccctgagat gatttttatc
                                                                      480
                                                                      540
ctgtgtctgt ttggatacct ggttttcatg atcattttca aatggtgctg ctttgacgtc
                                                                      600.
cacgtatete ageaegeece cageateete atecaettea teaacatgtt tetgtttaae
tacagtgact cttccaacgc acccctctac aaacatcagc aagaagtcca aagtttcttt
                                                                      660
                                                                      720
giggttatgg ctttgatttc tgtgccgtgg atgcttctga ttaagccgtt tattcttaga
gccagtcatc ggaaatccca gctgcaggca tccaggatcc aagaagatgc cactgagaac
                                                                      780
                                                                      840
attgaaggtg atageteeag ceettetage egttetggee agaggaette tgeagatace
cacggggctc tggacgacca cggagaagag ttcaactttg gagacgtctt tgtccaccaa
                                                                      900
gccatccaca ccatcgagta ctgcctgggc tgcatttcaa acacagcctc ctacctgcgg
                                                                      960
                                                                     1020
ctctgggccc tcagcctggc tcatgcacaa ctgtctgaag tgctctggac tatggtgatg
                                                                     1061
aacageggee tteagaegeg aggetgngga ggaategteg g
```

```
<210> 2548
<211> 750
<212> DNA
<213> Homo sapiens
<220>
<221> misc feature
<222> (1)...(751)
<223> n = a,t,c or q
<220>
<221> misc feature
<222> (201)...(297)
<223> similar to gi1665819 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters
```

```
<400> 2548
                                                                       60
getggeetta geeeaggeee ateagattge teagaatete caccaccaet tgeattagtt
gaggcgactc ccagtttatt tctctaagat tggatgggtg gatttcatat taaaaaaaaa
tttggctagt tcttttggaa catattgtaa acagctatgg ttttccaaag ggcaggaatg
                                                                      180
tattcattca ttgttctctt tctcccatct cacagaataa agcccttttc caccaattca
                                                                      240
                                                                      300
gtcttaagga gaactggctc cagcatagag gaactgtgac tgaaacggag gaaagtgagt
                                                                      360
atggtttgaa gtgagggttt gggggtgggc agcagttagc caccattttt ctcctacatt
                                                                      420
ggcatatcag cctgactaac cttcatttcc agctgtcacc cctcagataa gcacgttagc
ctcaaacagc atggtttttc ttttctttat ttgagcatta tggttttctt agatcacata
                                                                      480
                                                                      540
atactgtccc aagcaccaag gatacttata atttgggaag caaggaaagg agacaatgcc
                                                                      600
tagagcetee ttgcattett gagaagaggt aaaaatgaac gggagaetea geetttteet
cctagaacca totoctccct gccttcatca gcccattgtc tatgactaac tggaaggatc .
                                                                      660
                                                                      720
accanagtca atgtgcagat ttgggctgag tcagtccatg actcagtcca cgagaagaan
                                                                      750
actctgtgga gagaaggctg tacngtaaaa
```

```
<210> 2549
<211> 420
<212> DNA
<213> Homo sapiens
<220>
<221> misc_feature
<222> (168)...(321)
<223> similar to gi1732065 in the genepept database release 114,
  Run with FASTXY 3.3t00, default parameters
```

<400> 2549 60 aattcccggg tcgaggatgc ccccaaagcc cagaccgggc ctccccgggt ggacaaggtt